



University
of Regina

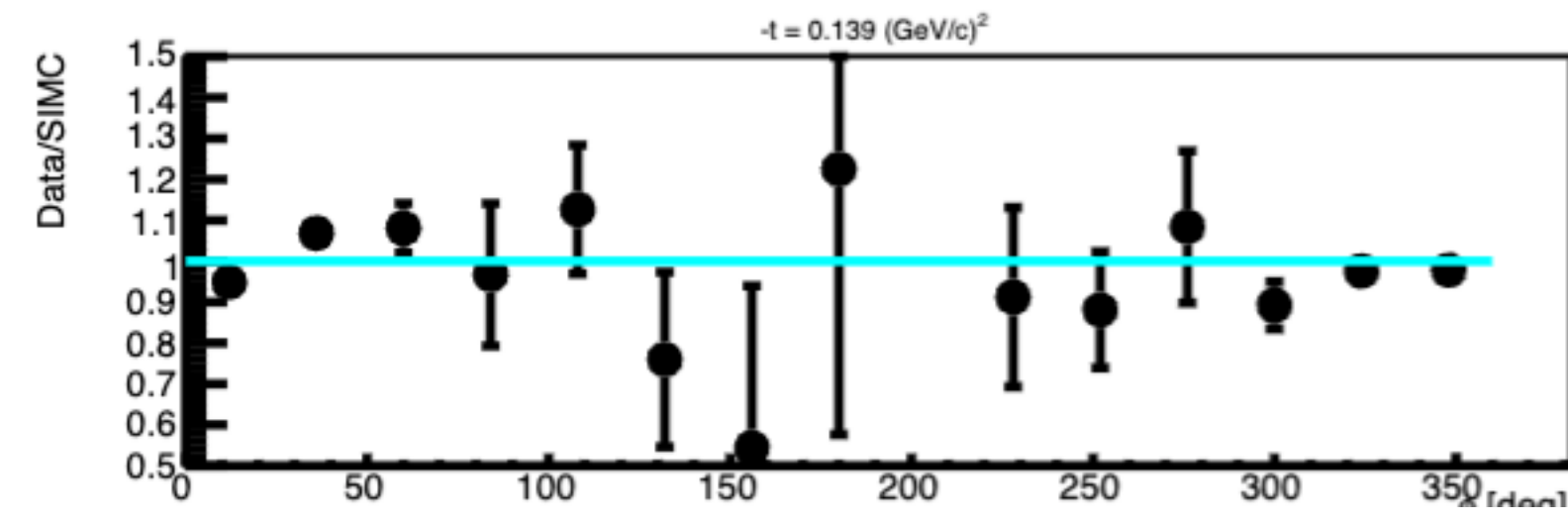
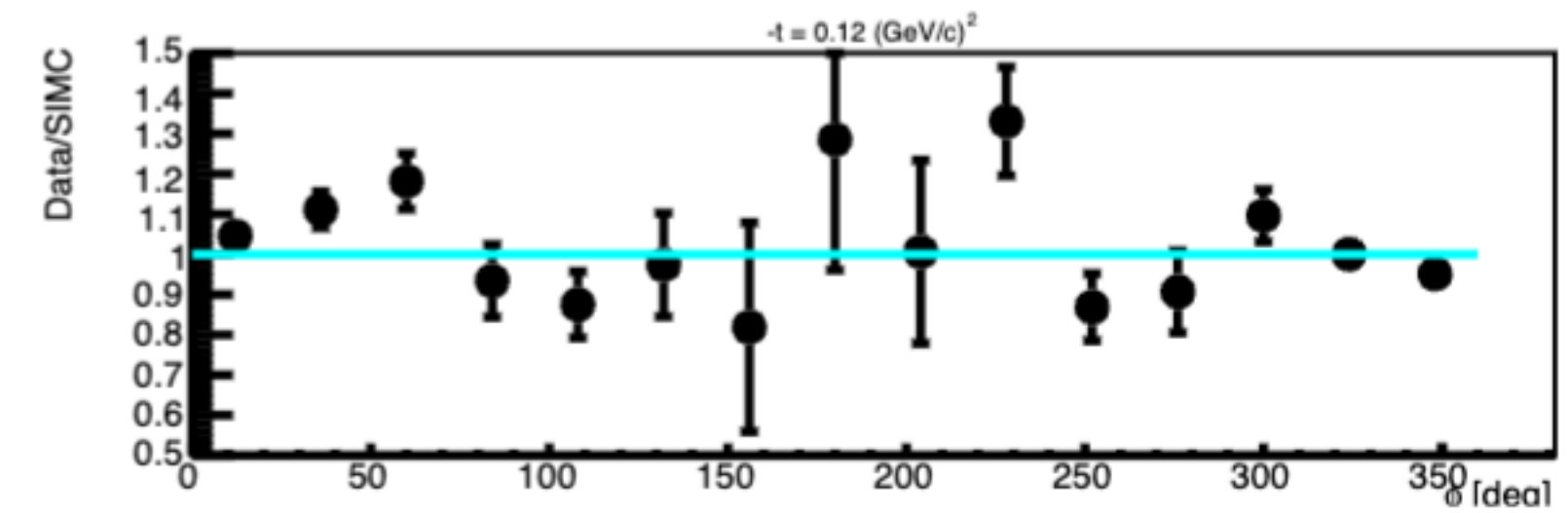
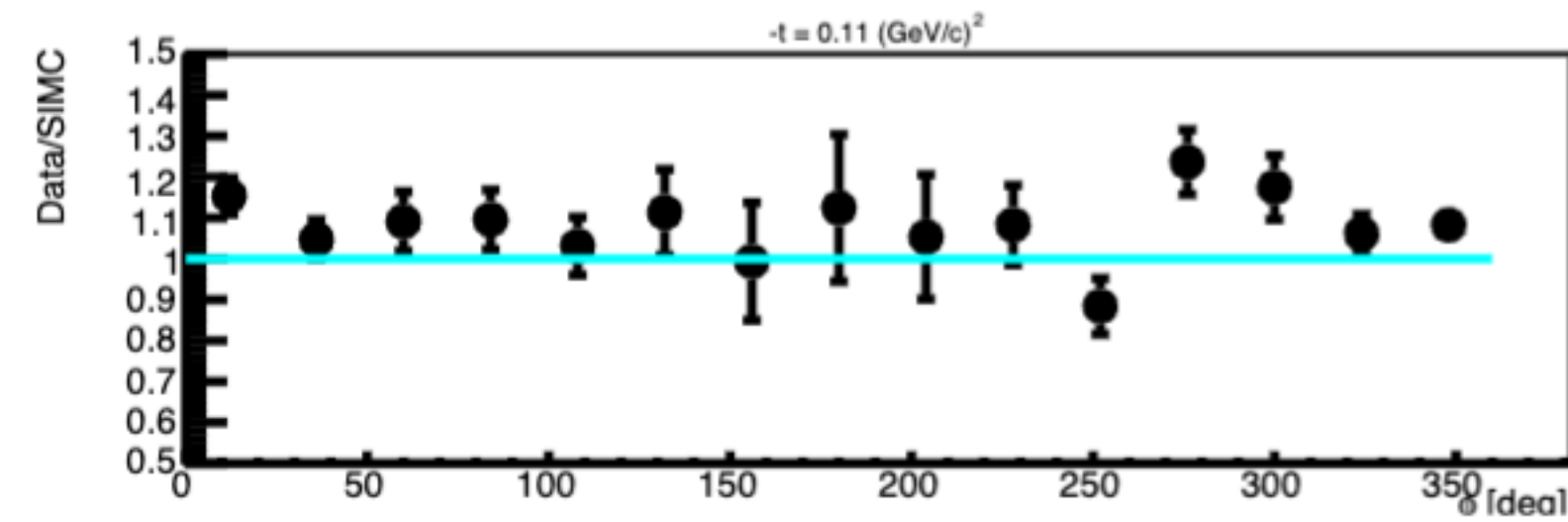
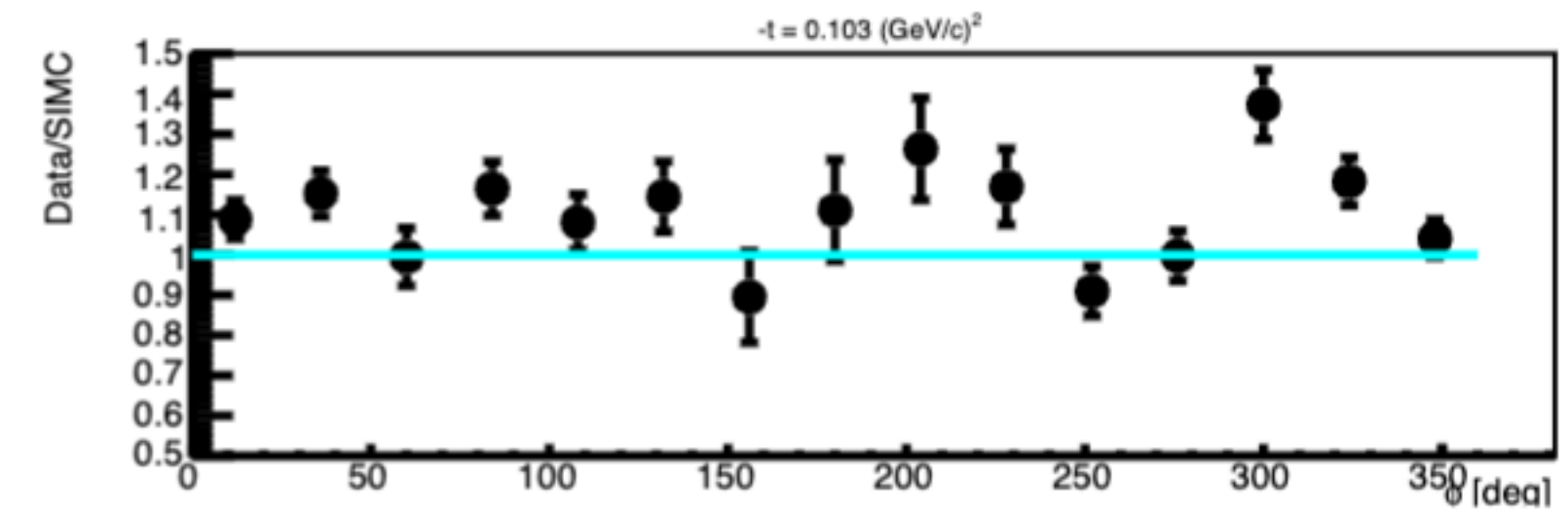
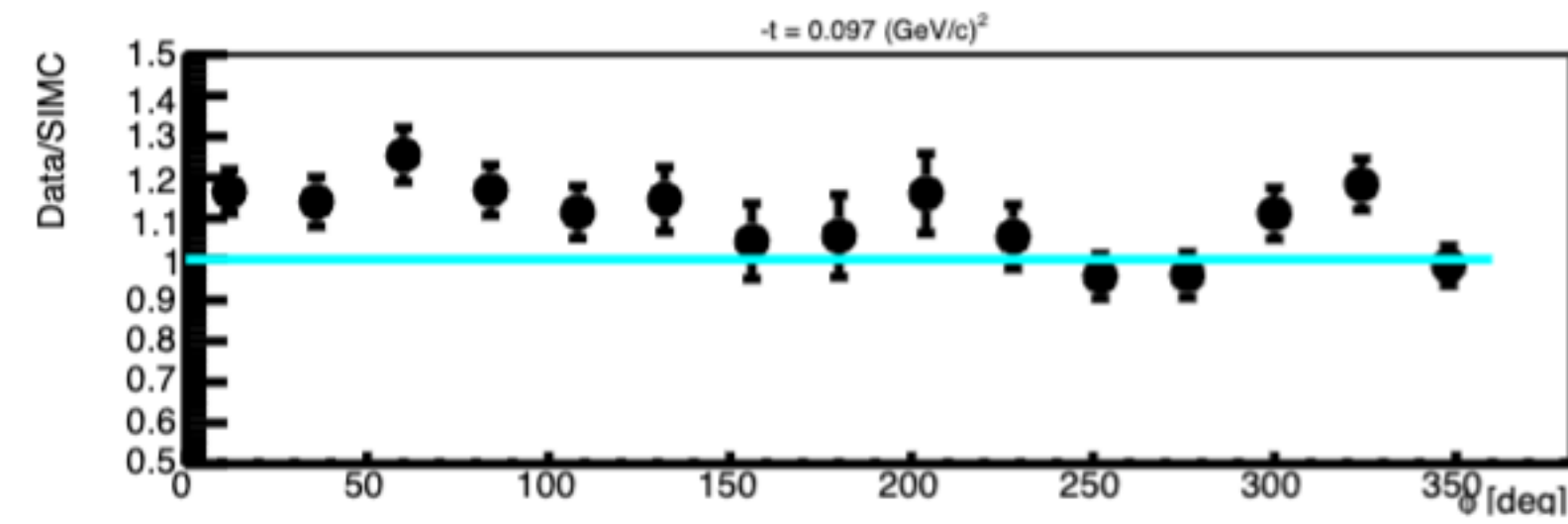
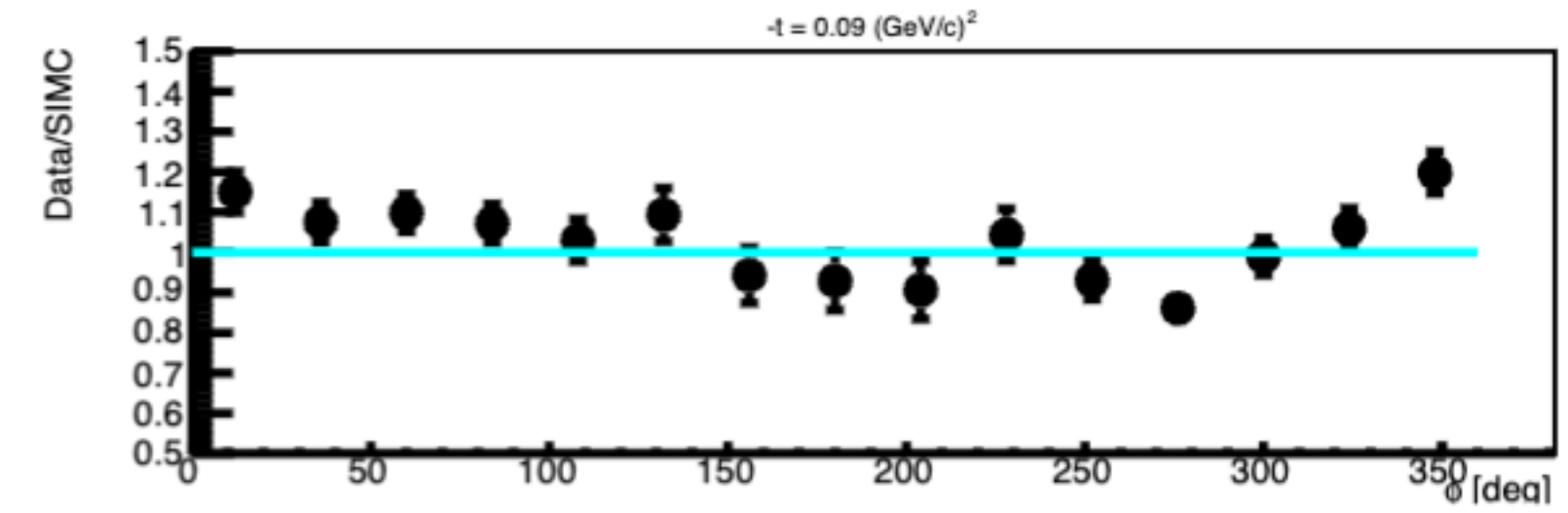
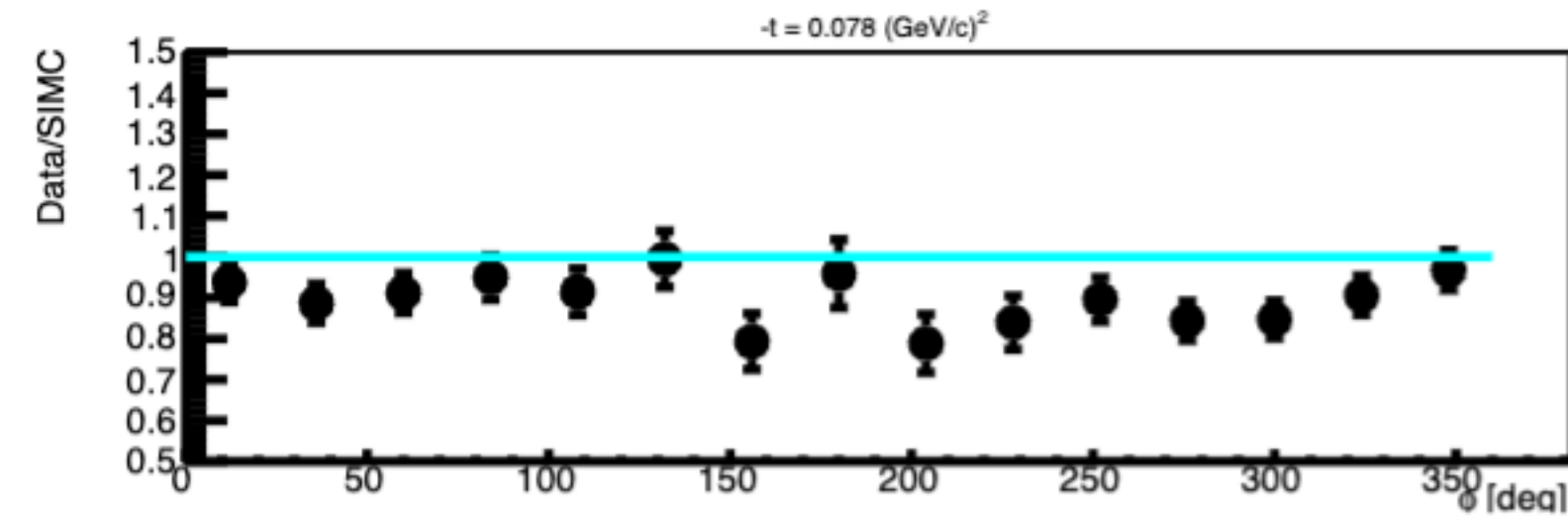
Kaon L,T, LT, TT Model Optimization - Towards Data/SIMC ~ 1 -

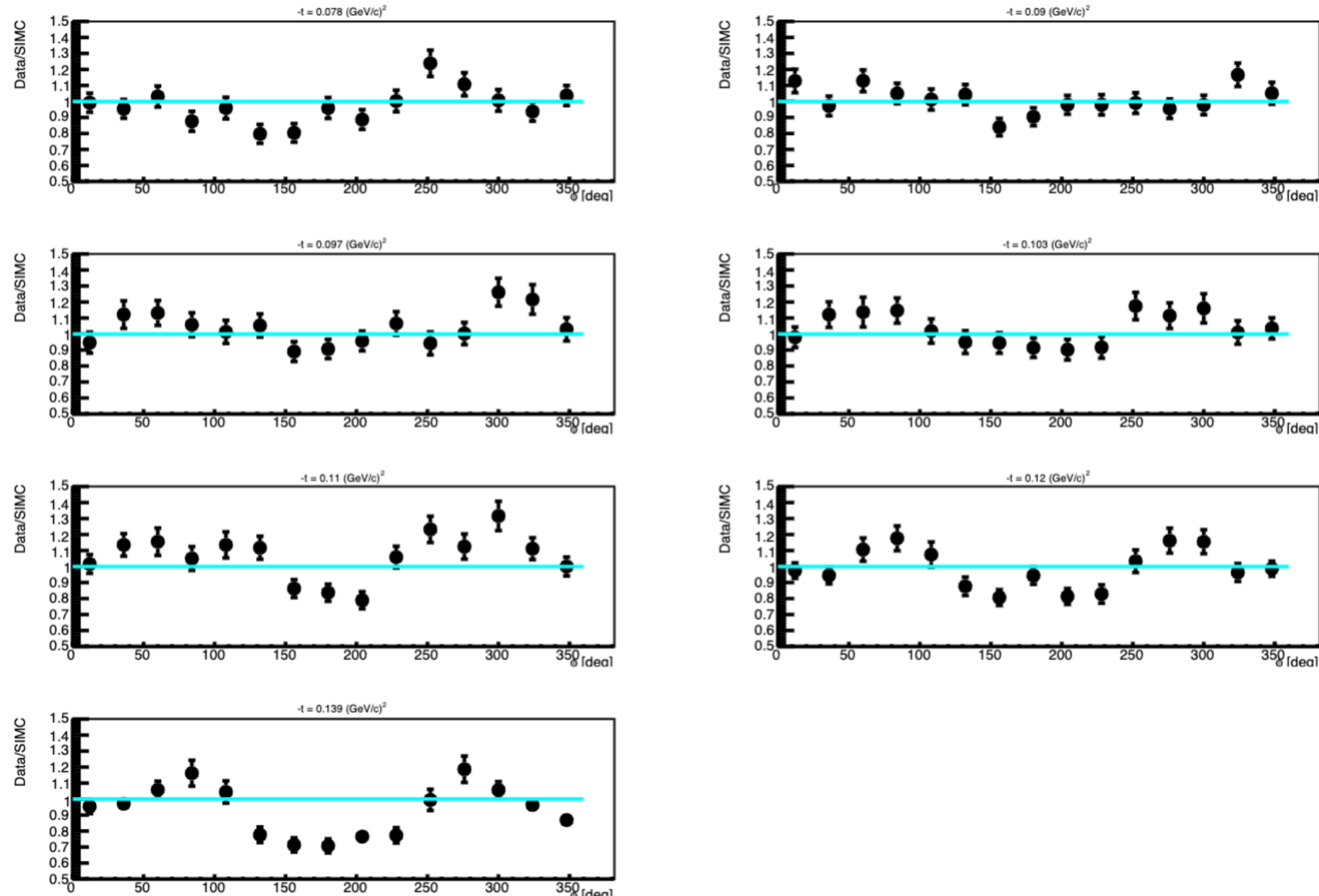
Abdennacer Hamdi

KaonLT Meeting
2025/10/17

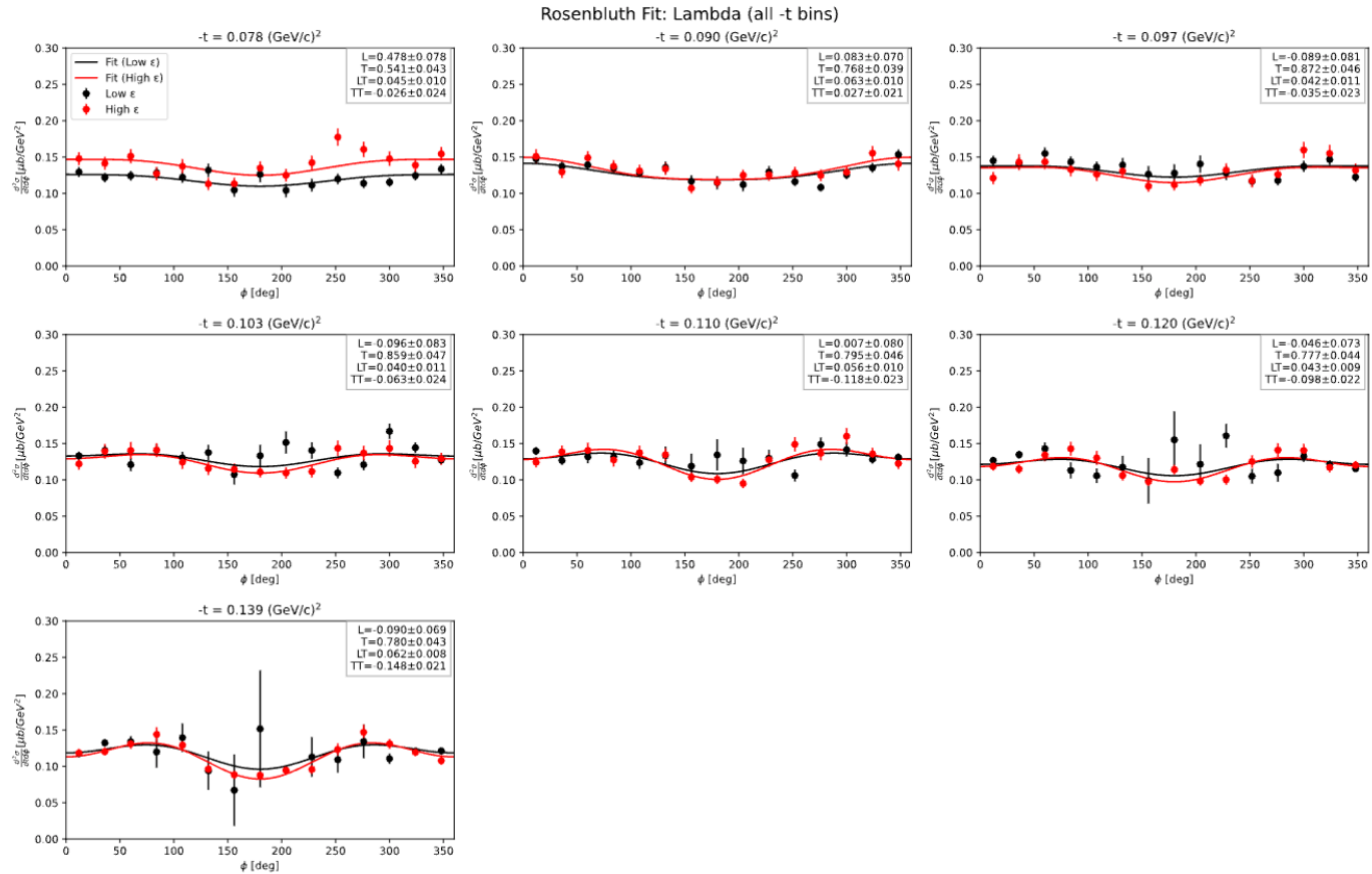
Iteration 01

Factorized 2007 + sigLT + sigTT

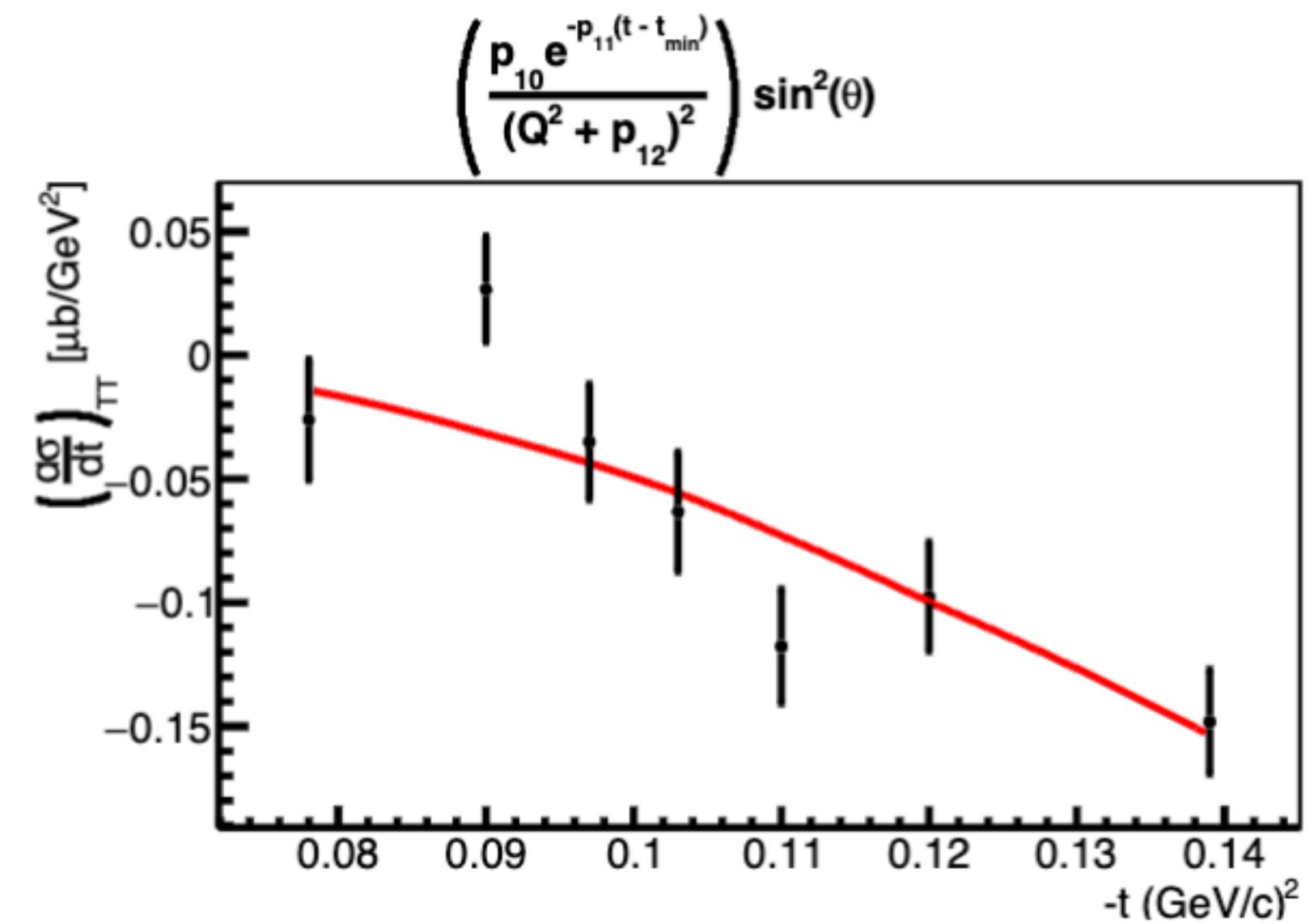
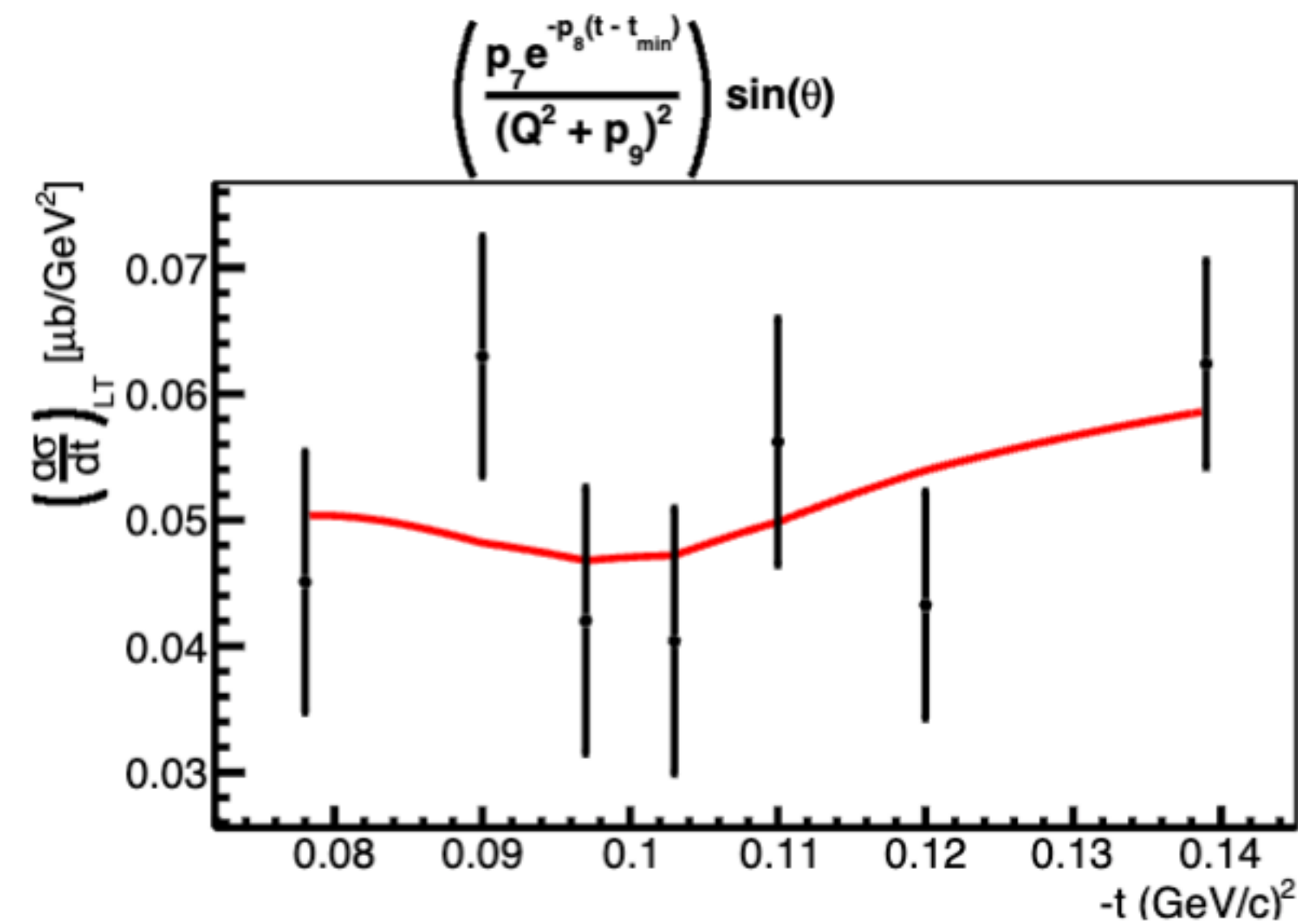
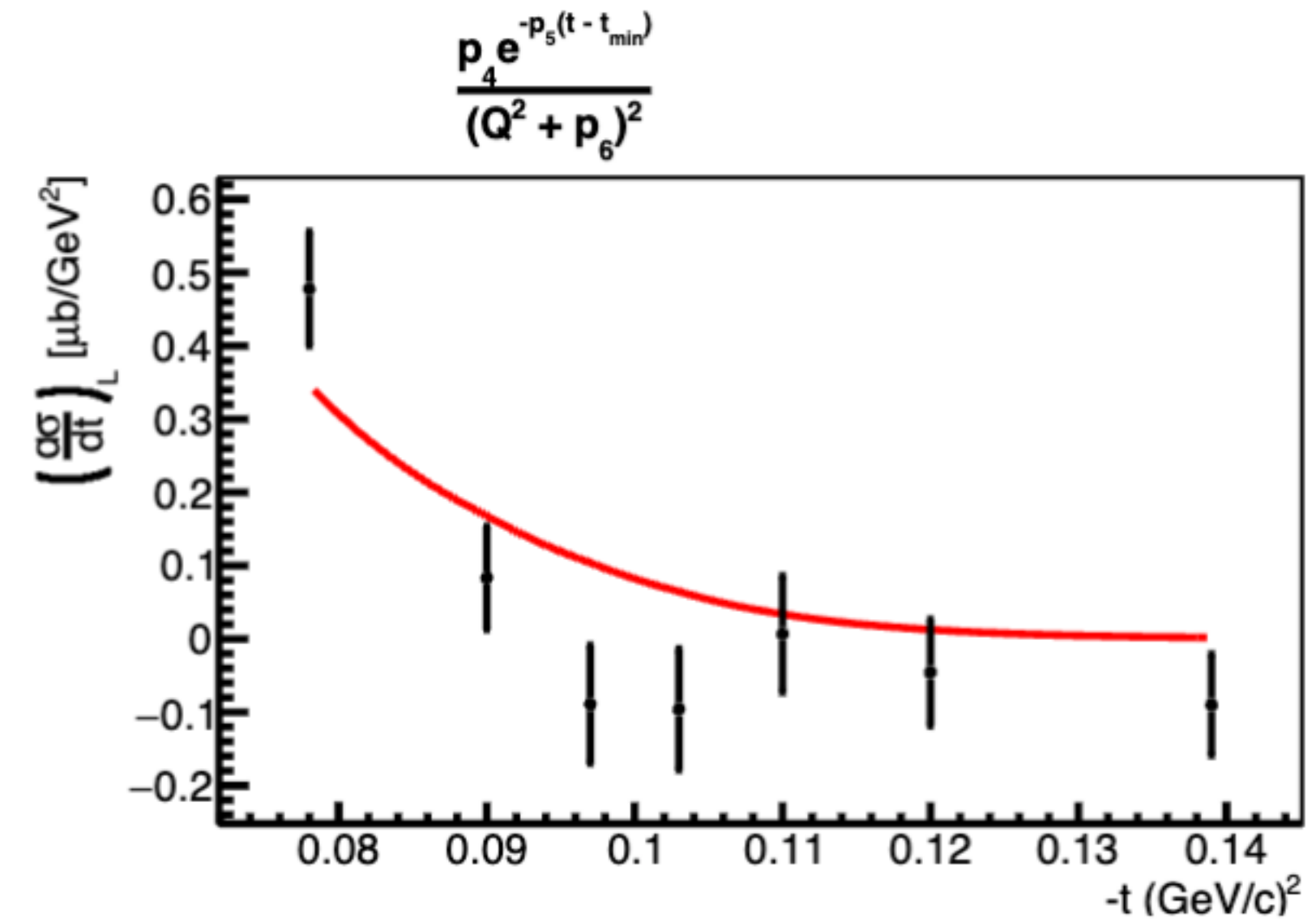
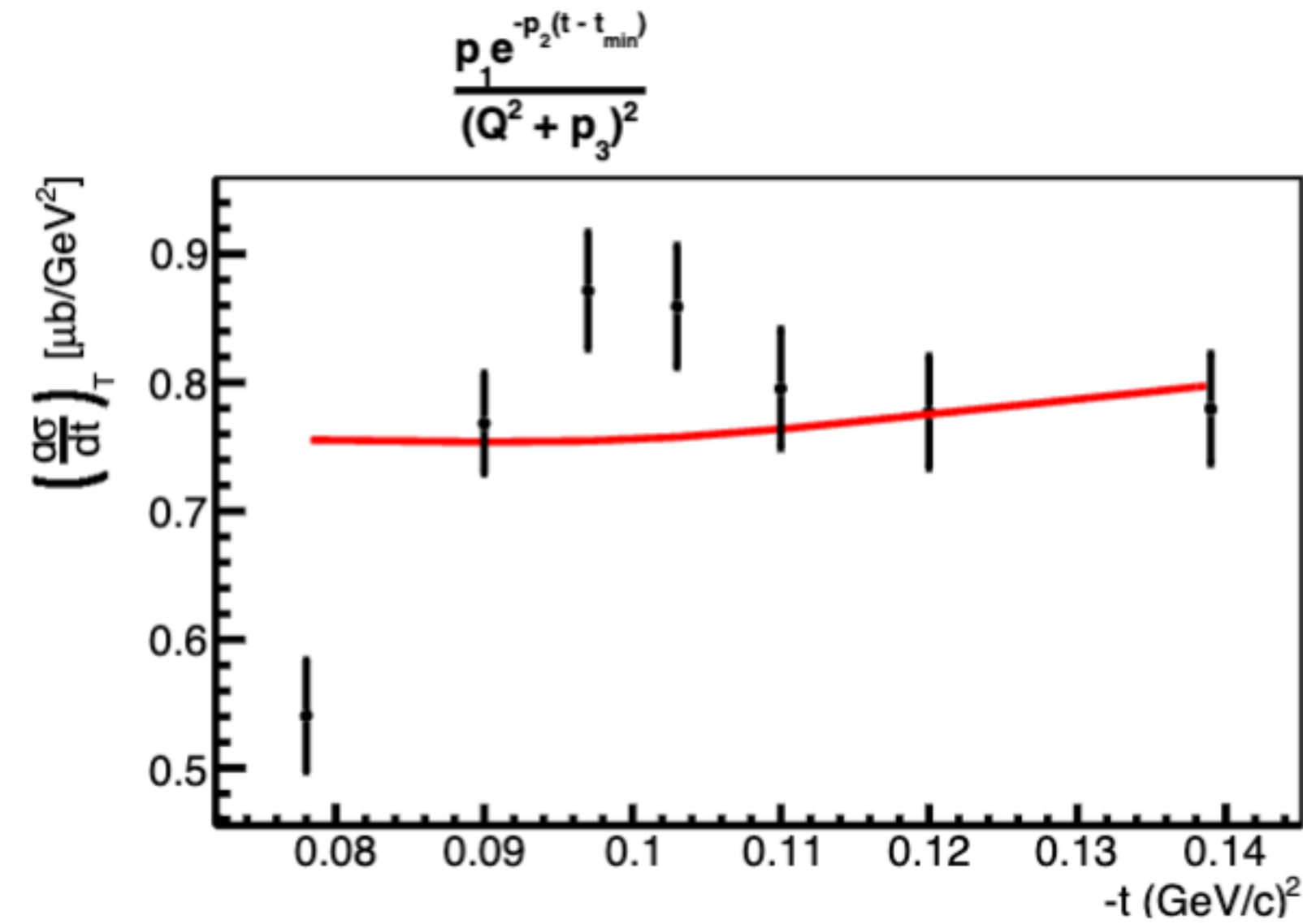




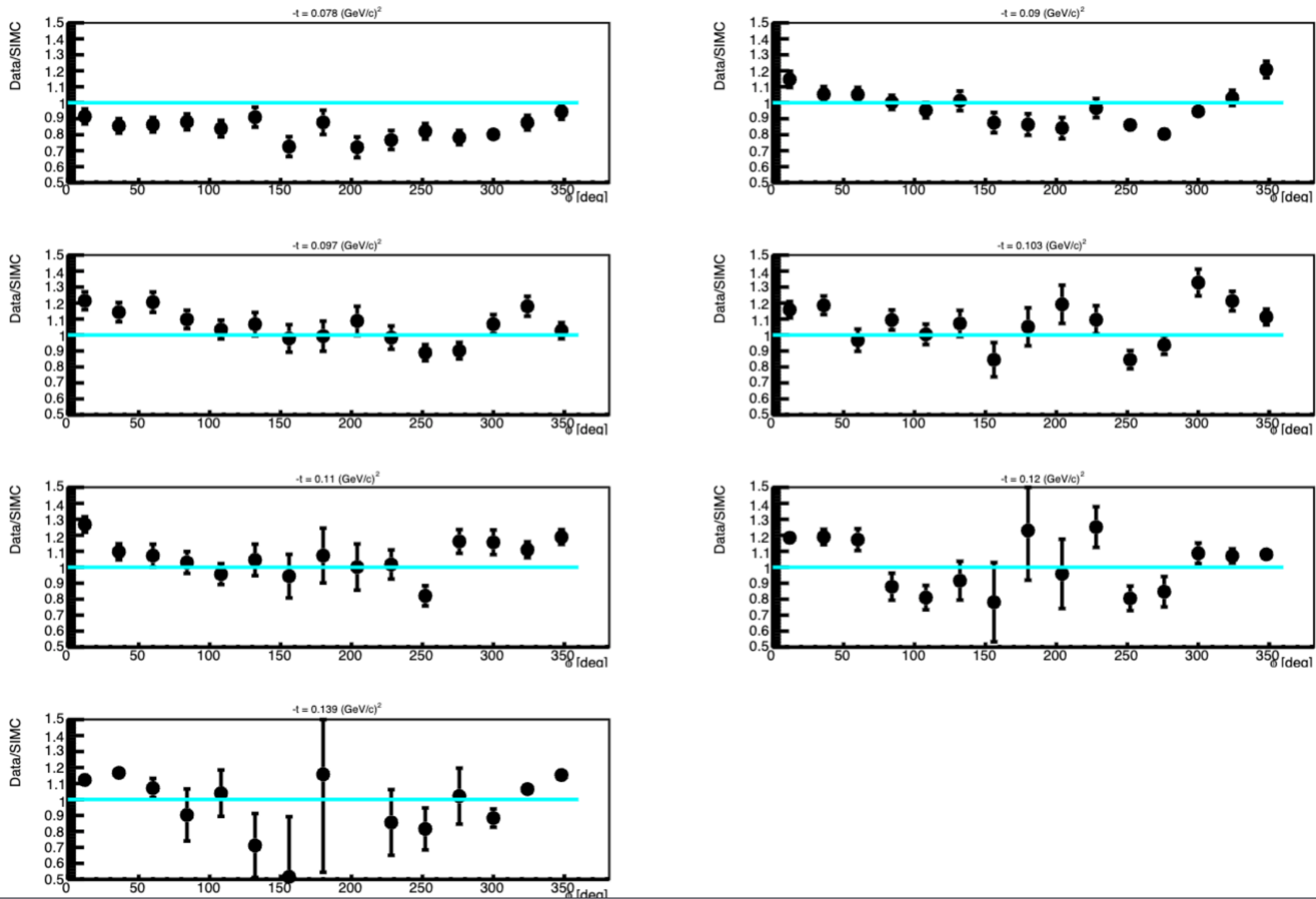
Low & High ϵ Simultaneous Fit (Rosenbluth)

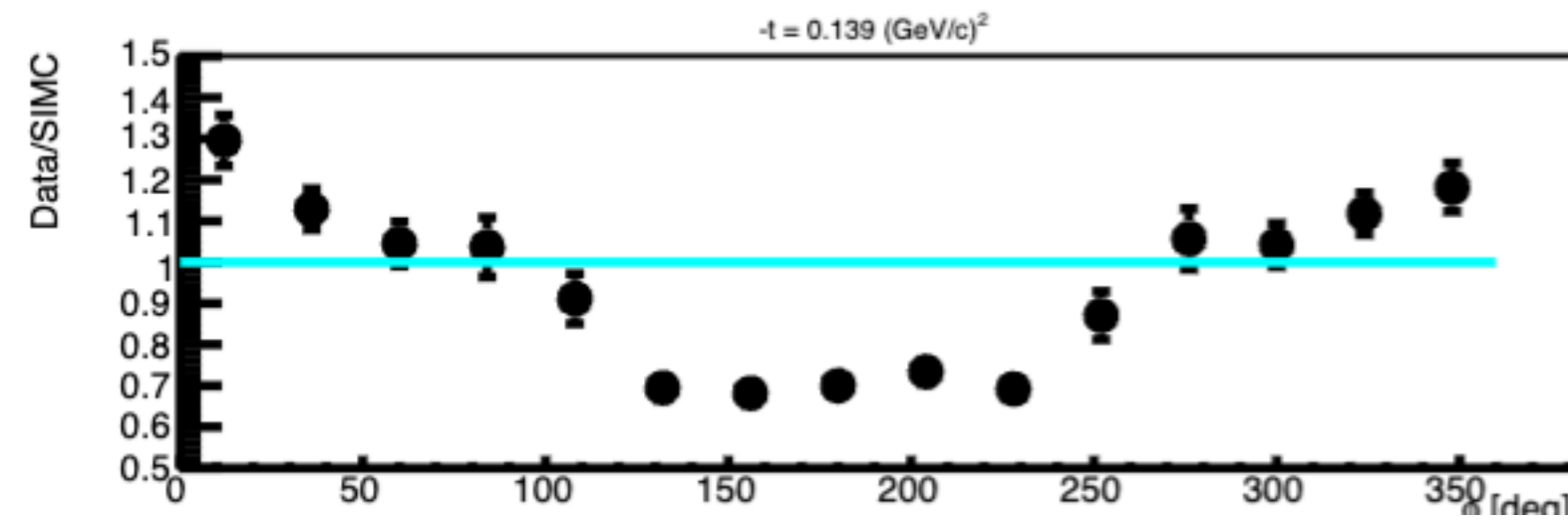
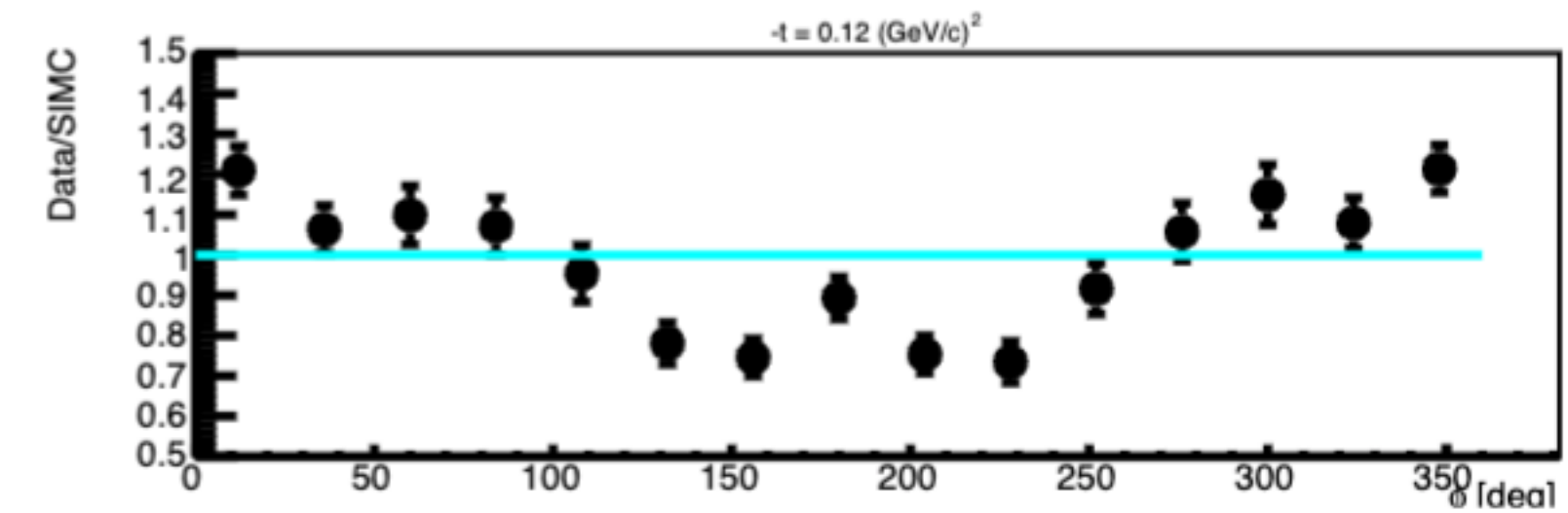
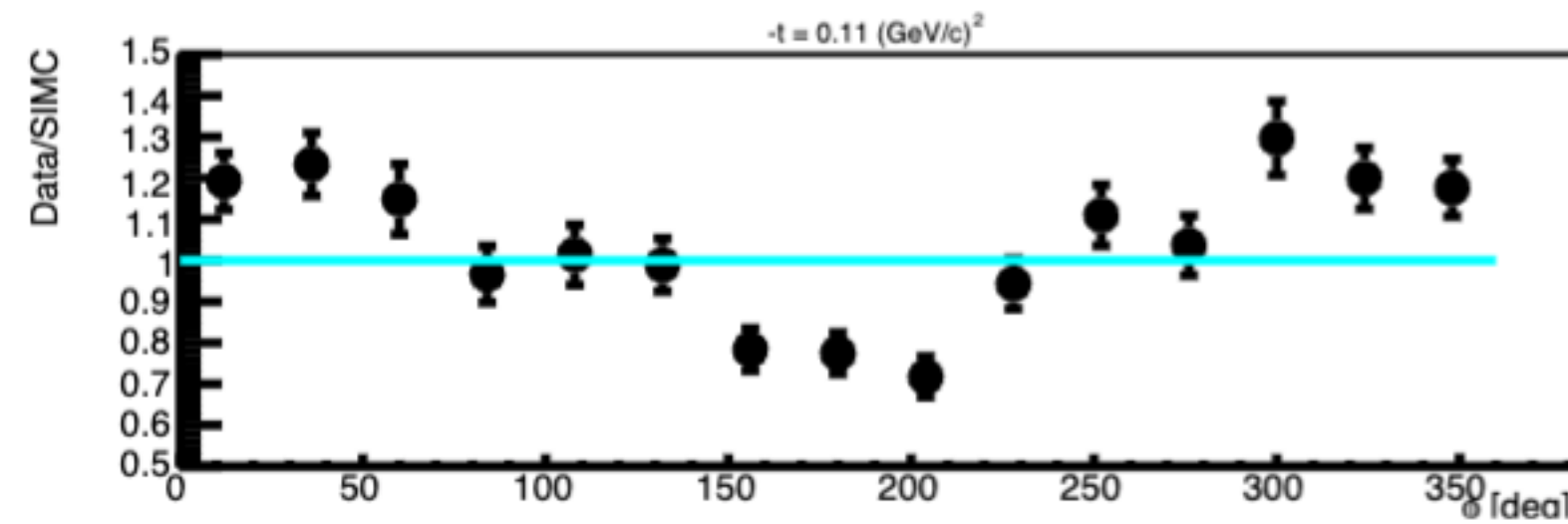
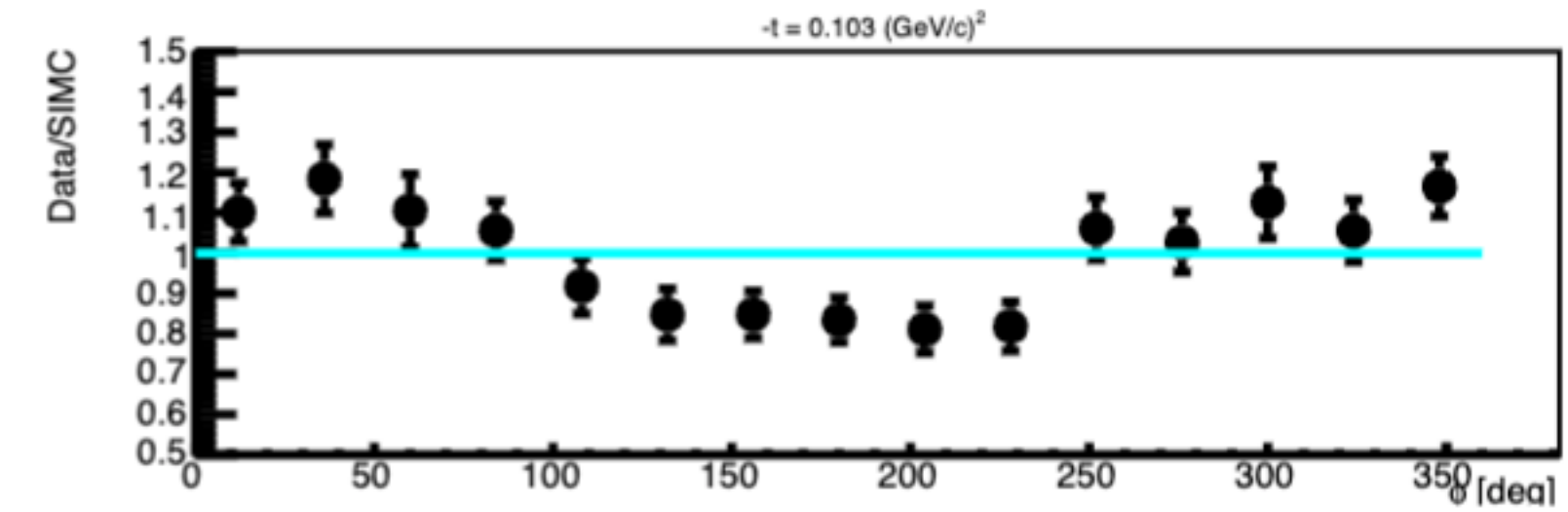
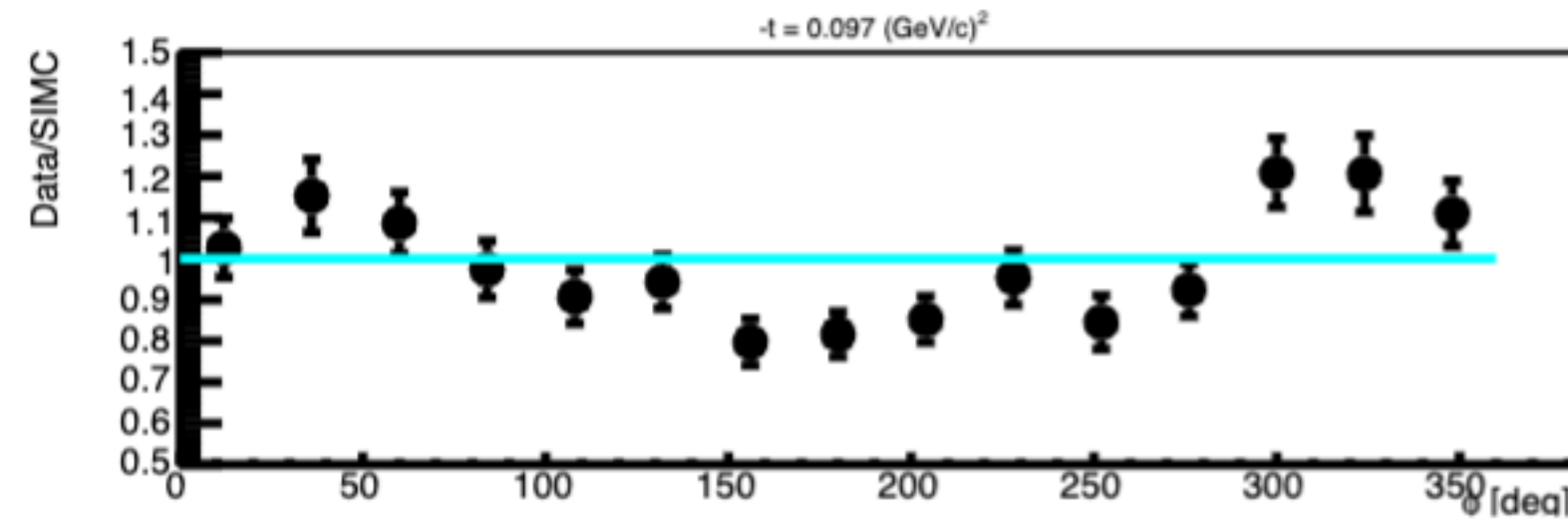
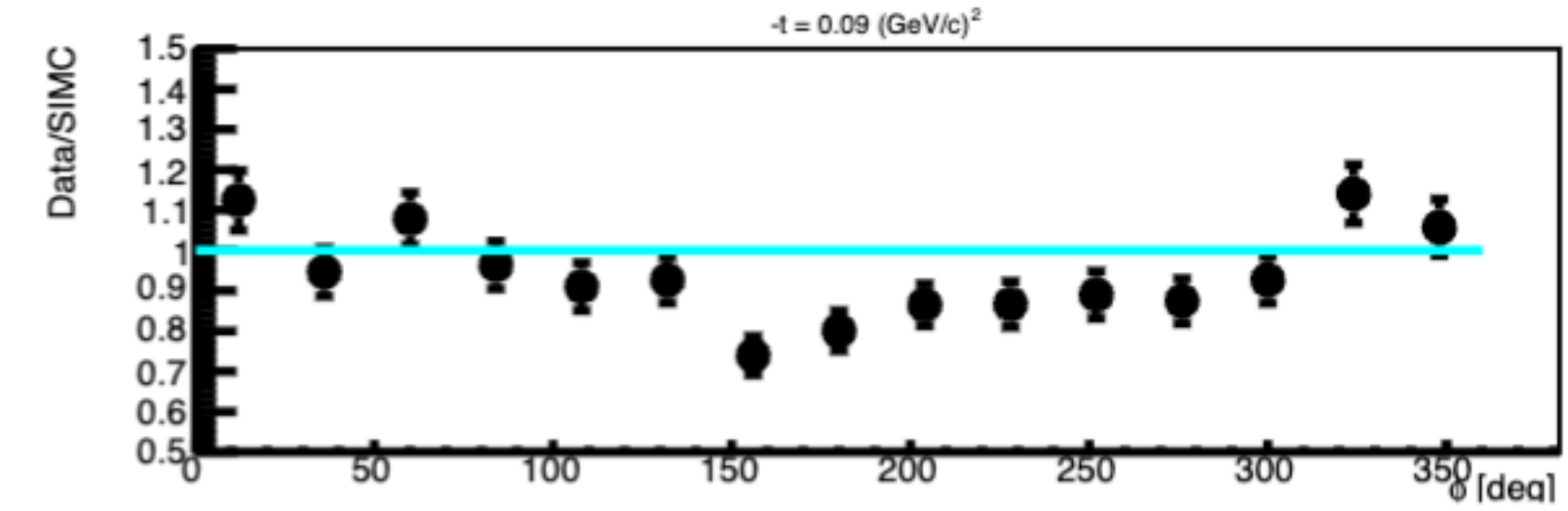
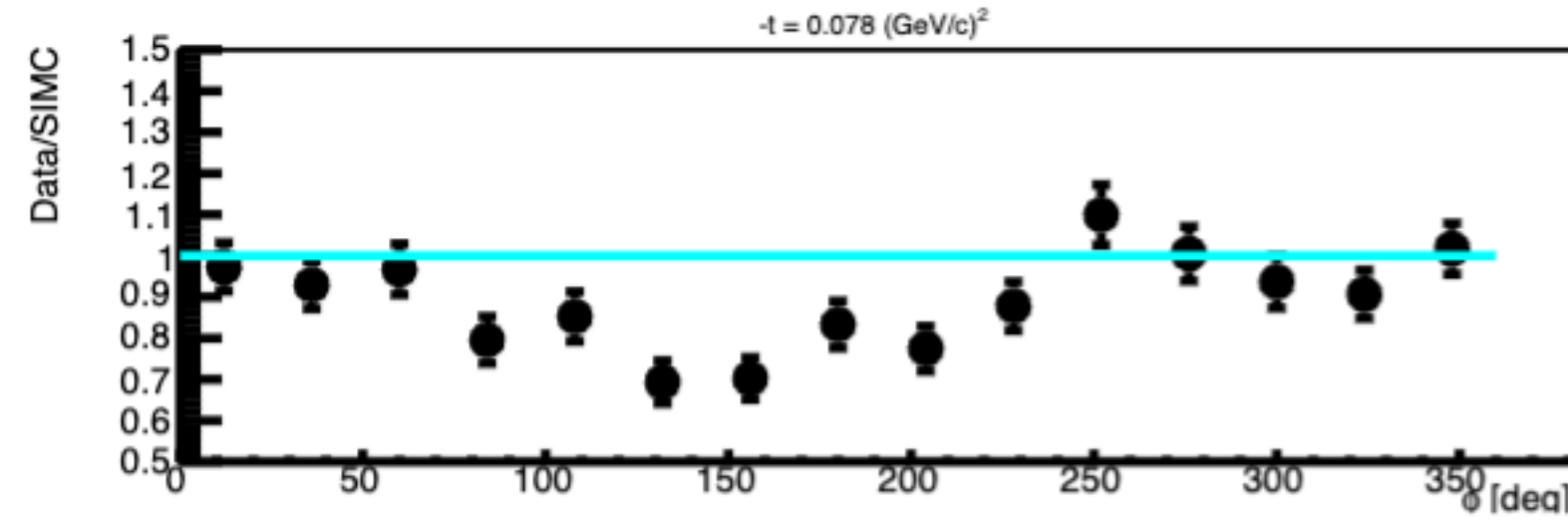


L, T, LT, TT Cross Sections

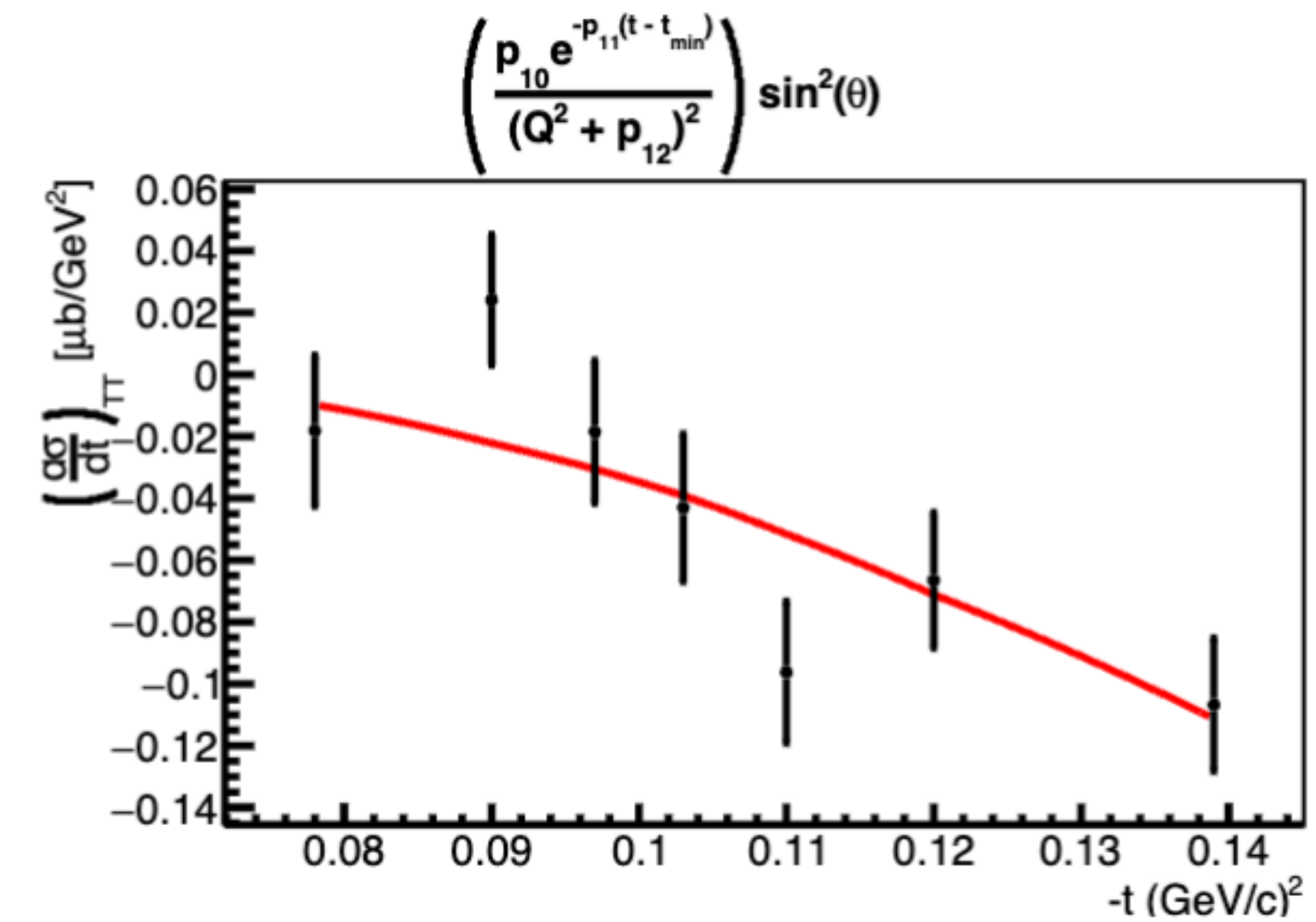
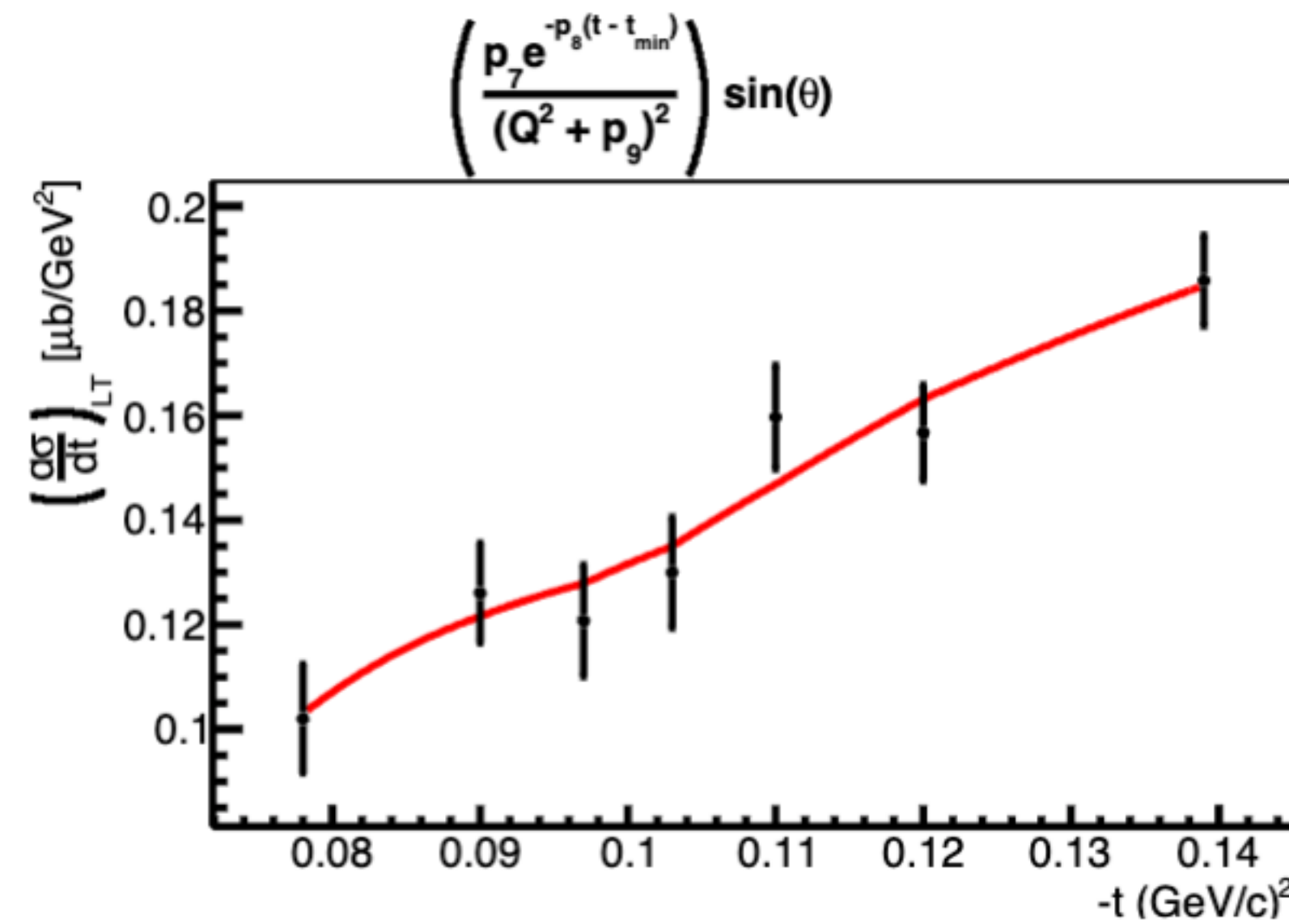
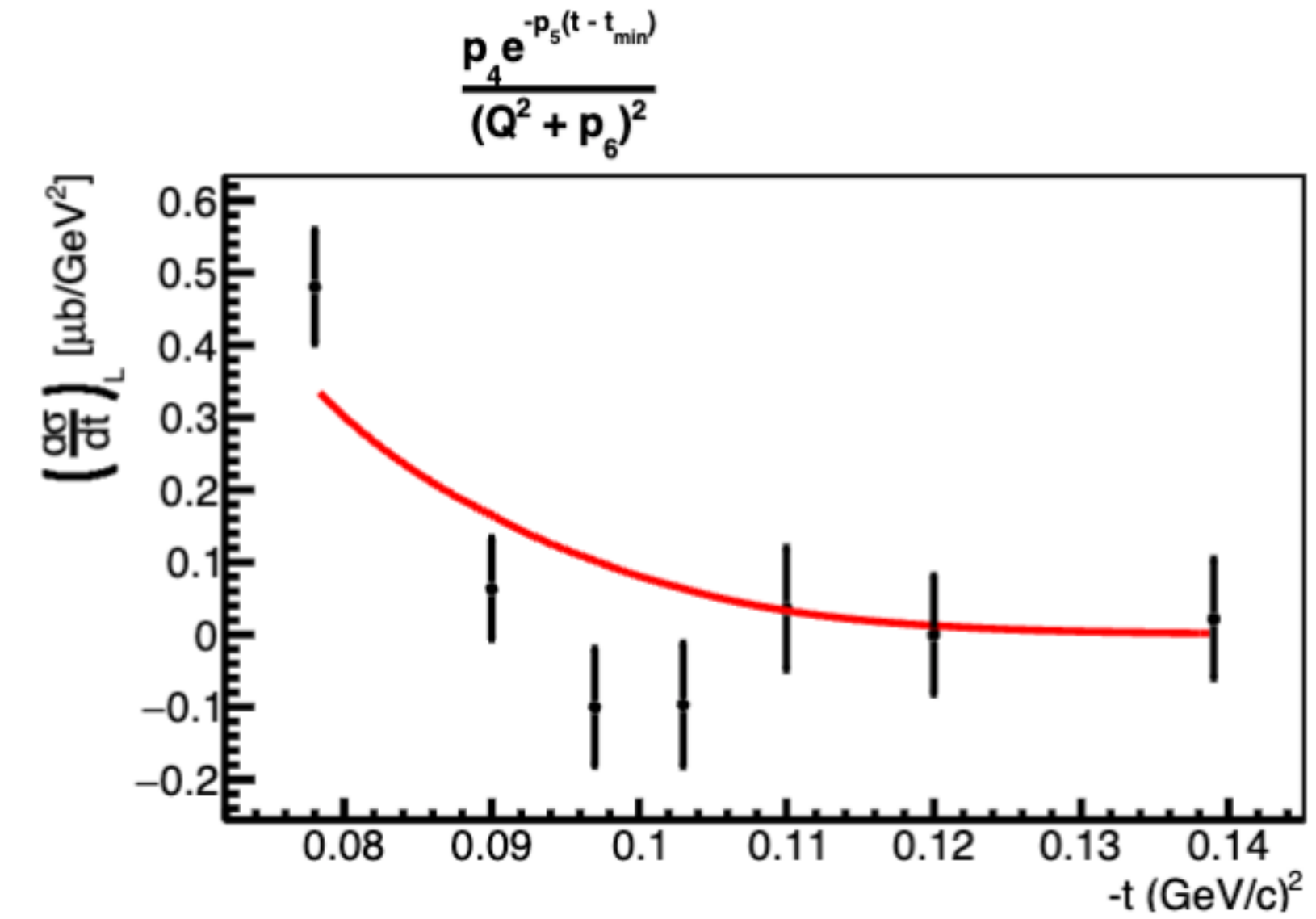
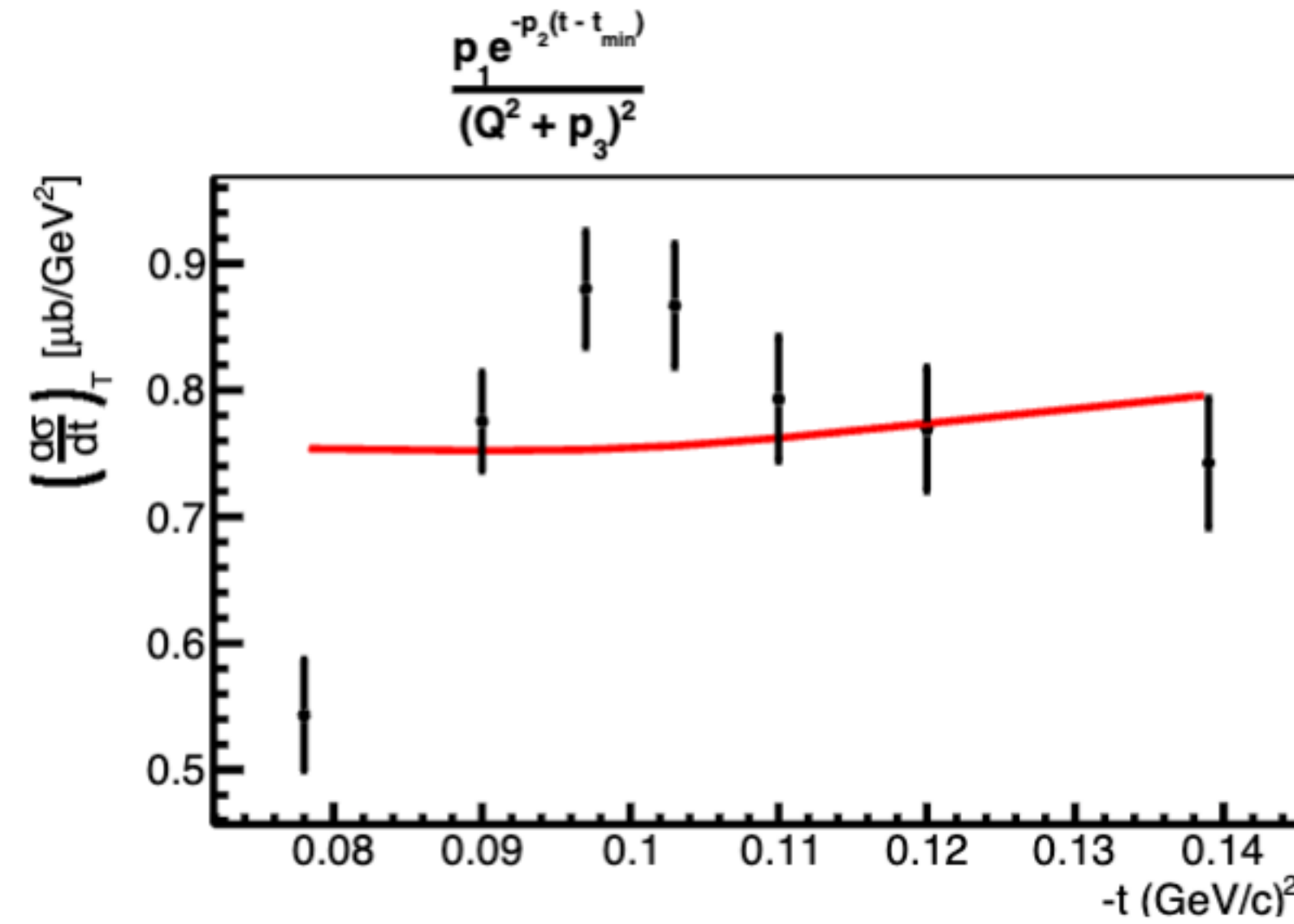


Iteration 02

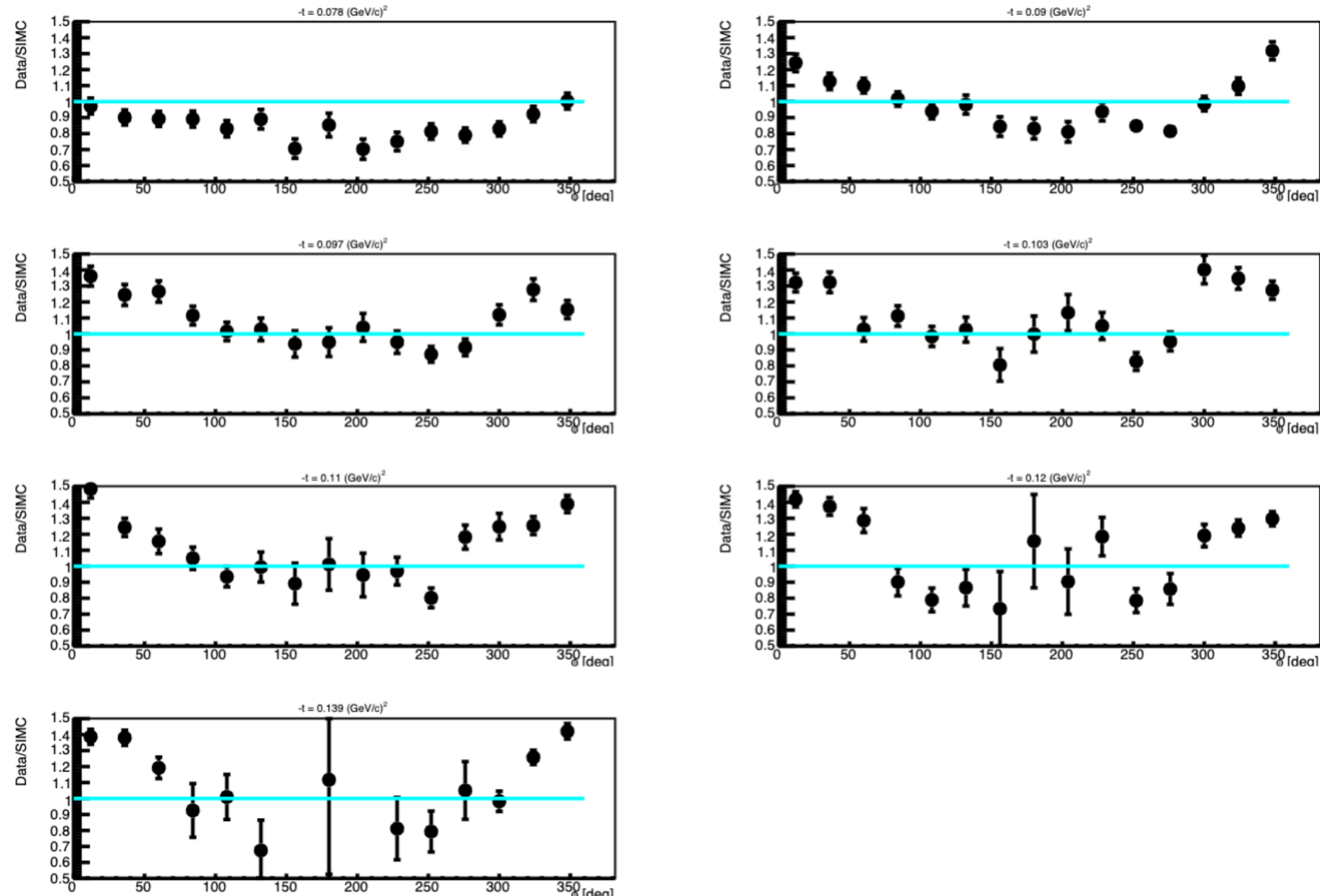


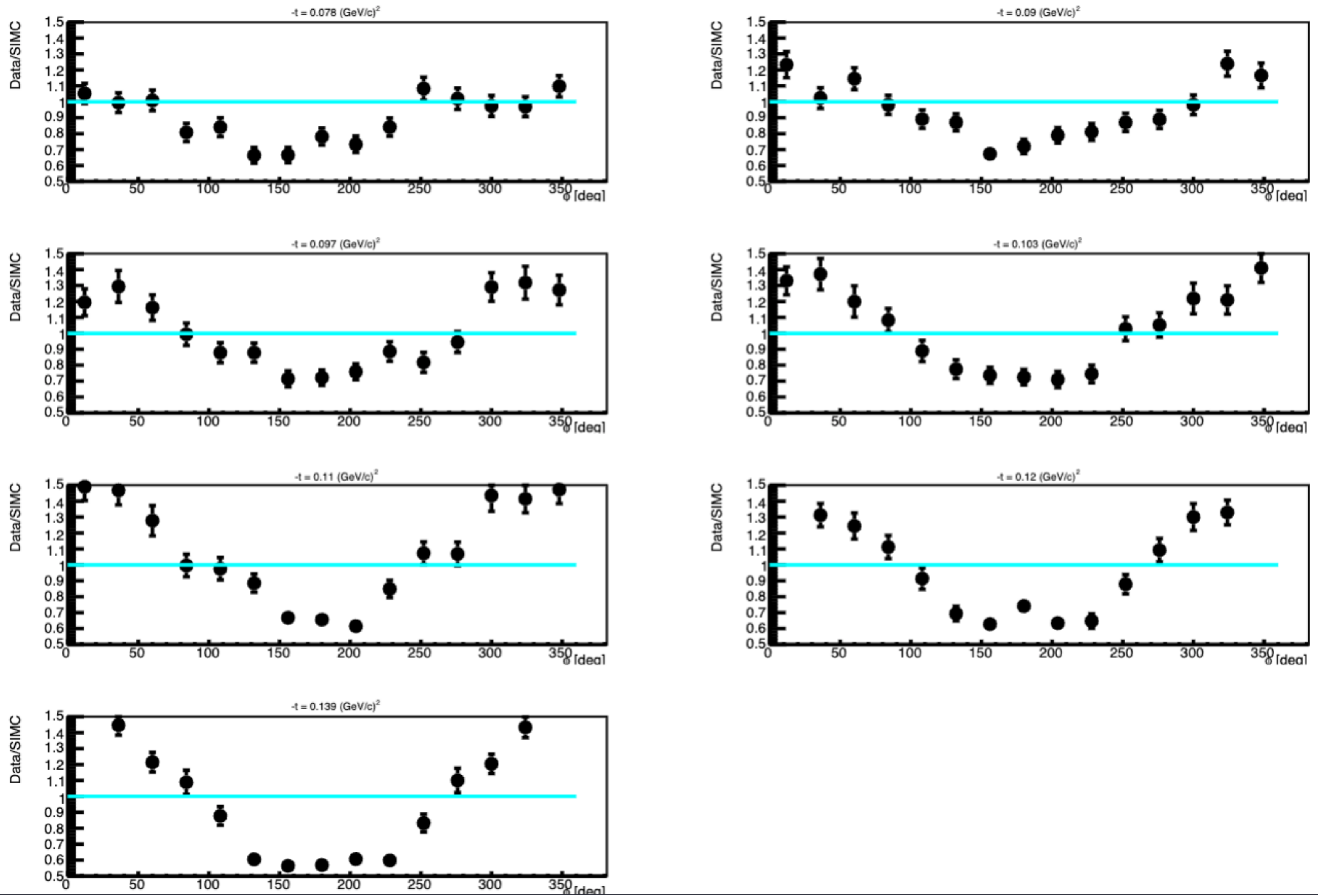


L, T, LT, TT Cross Sections

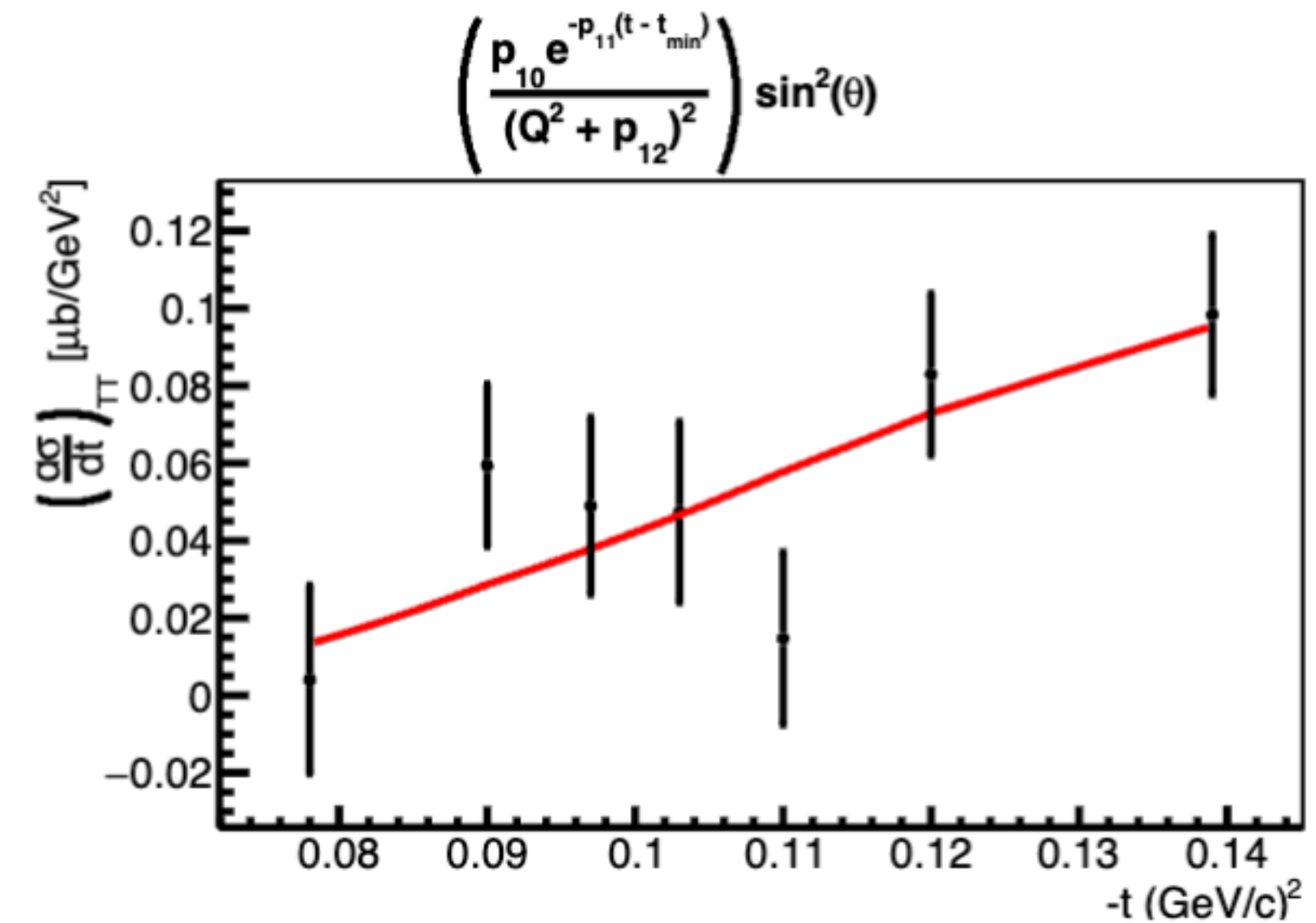
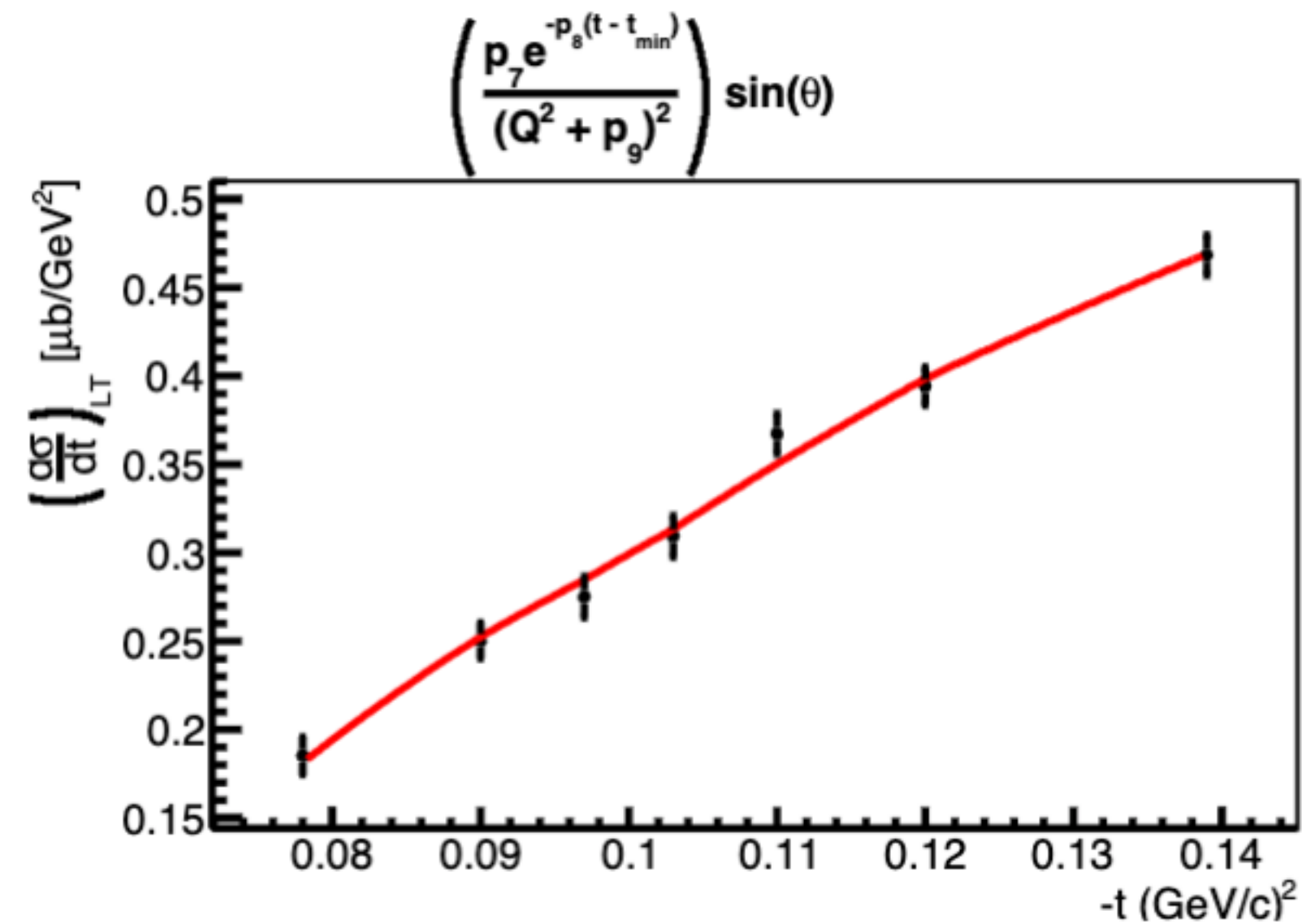
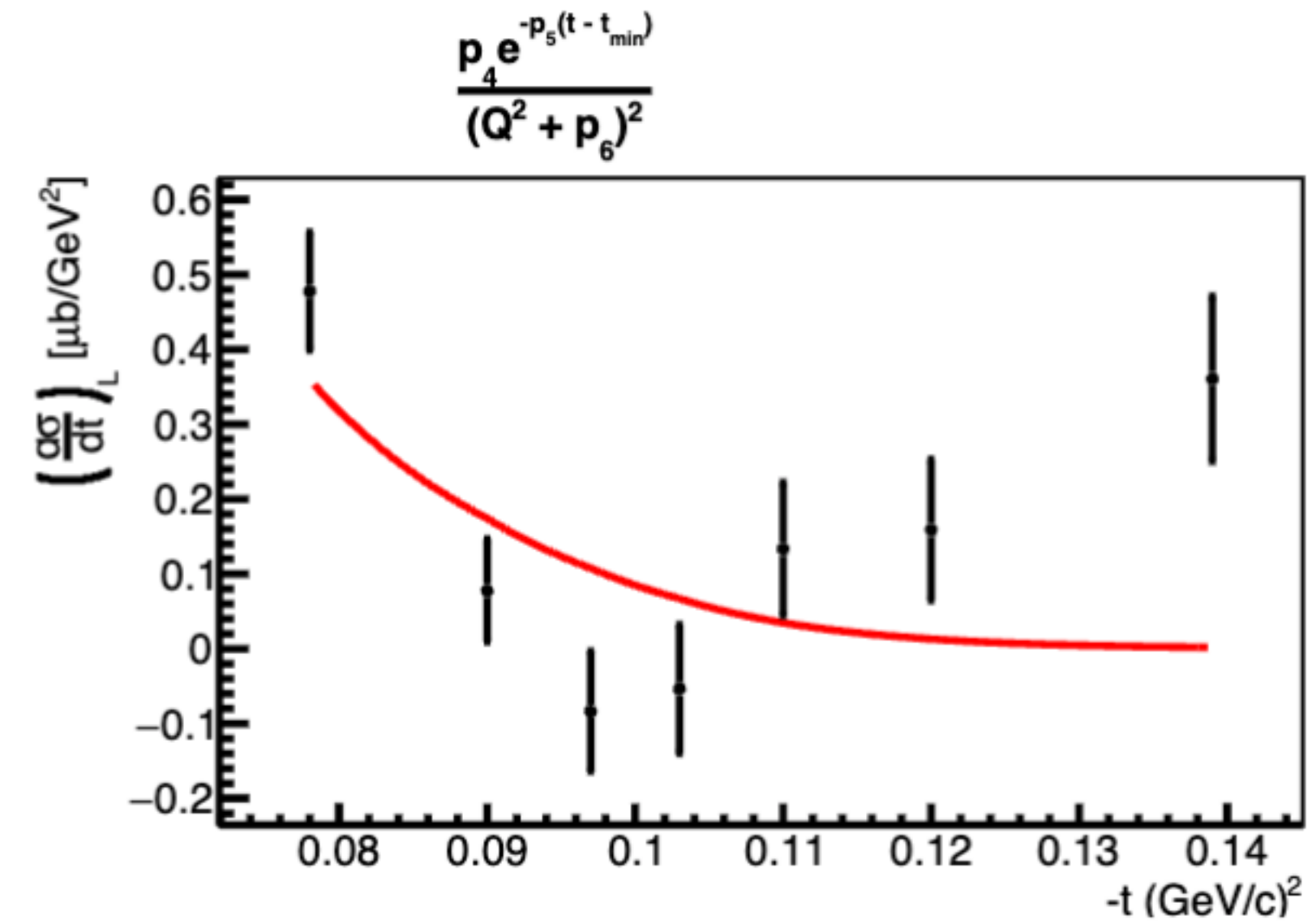
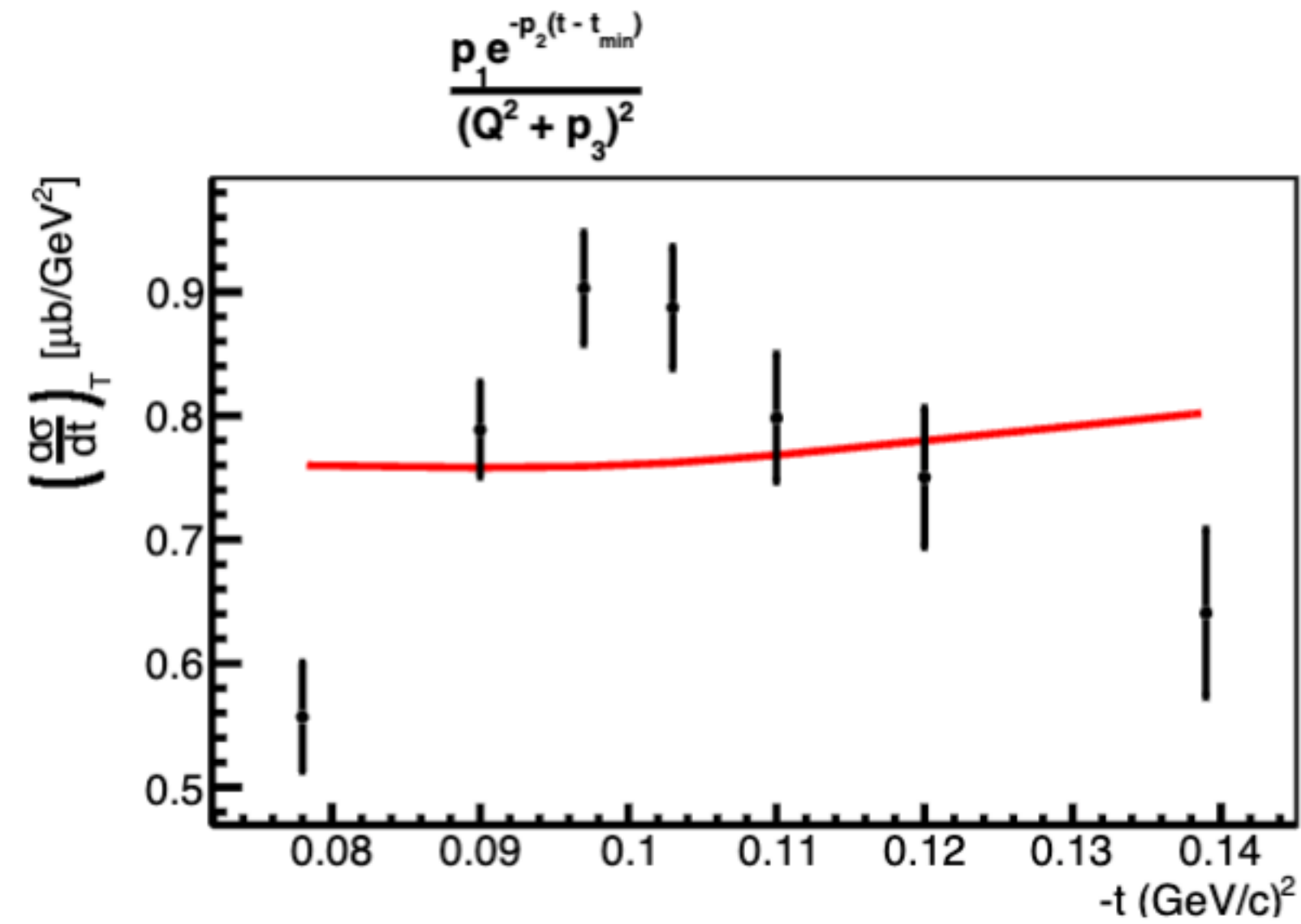


Iteration 03

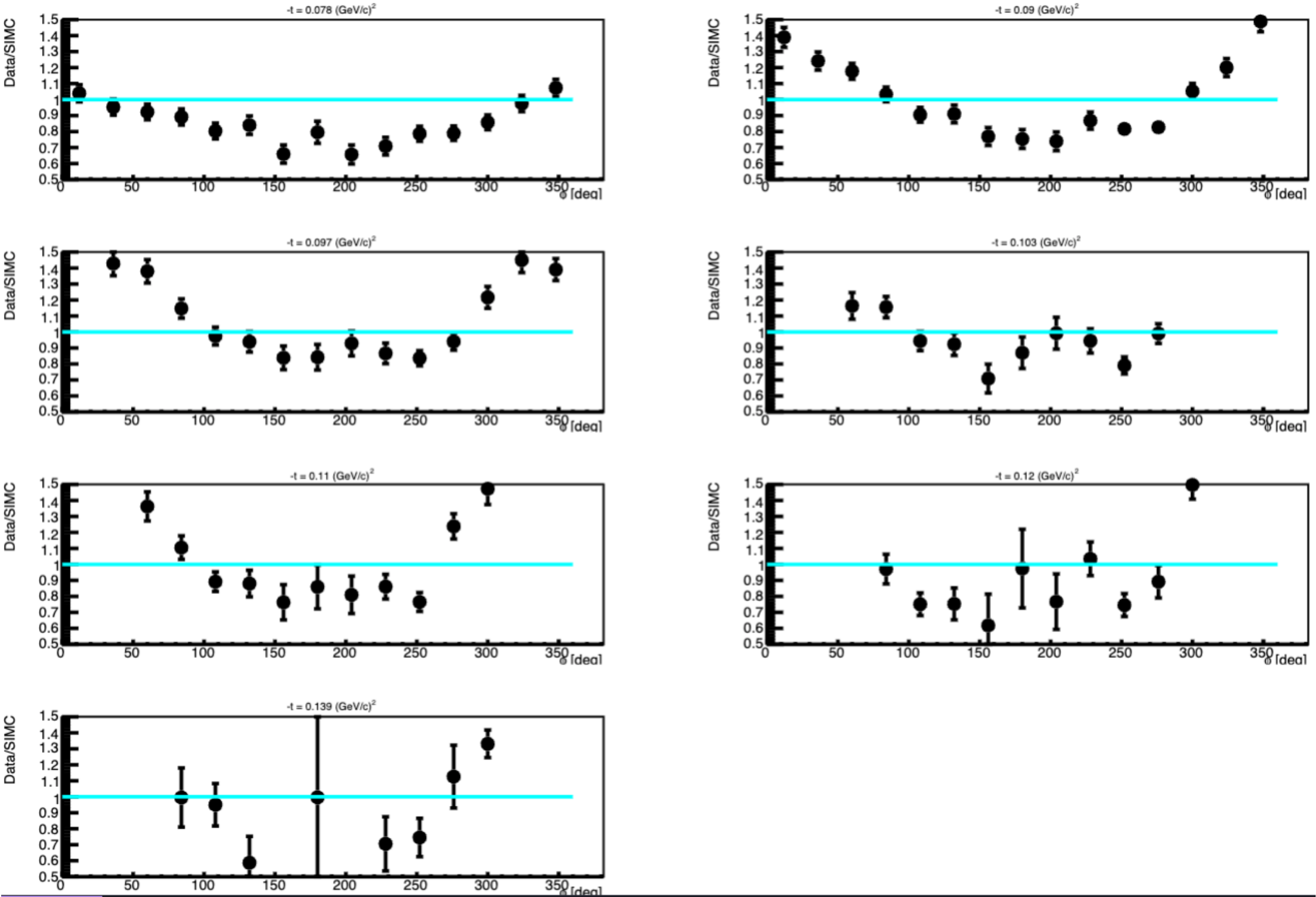


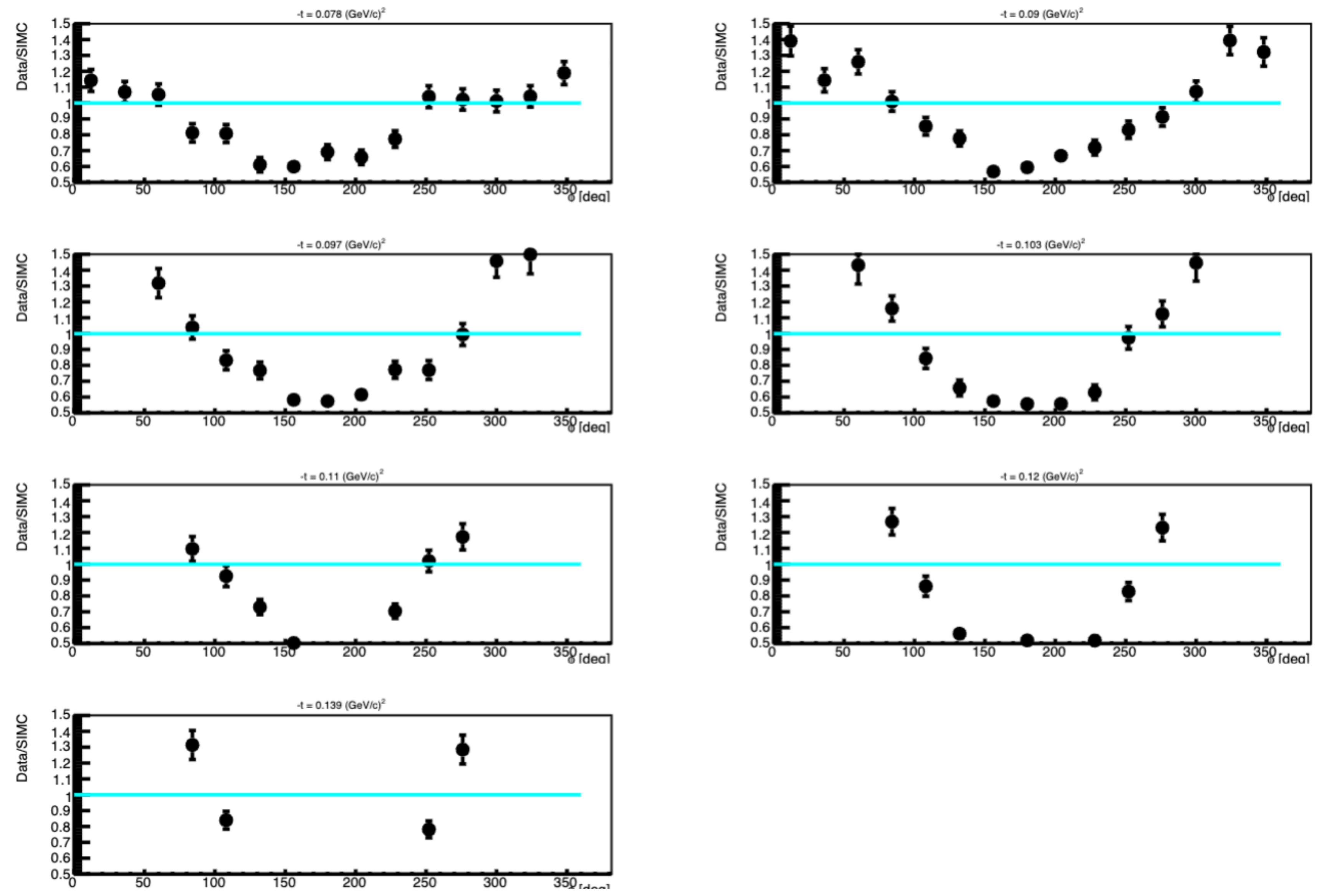


L, T, LT, TT Cross Sections

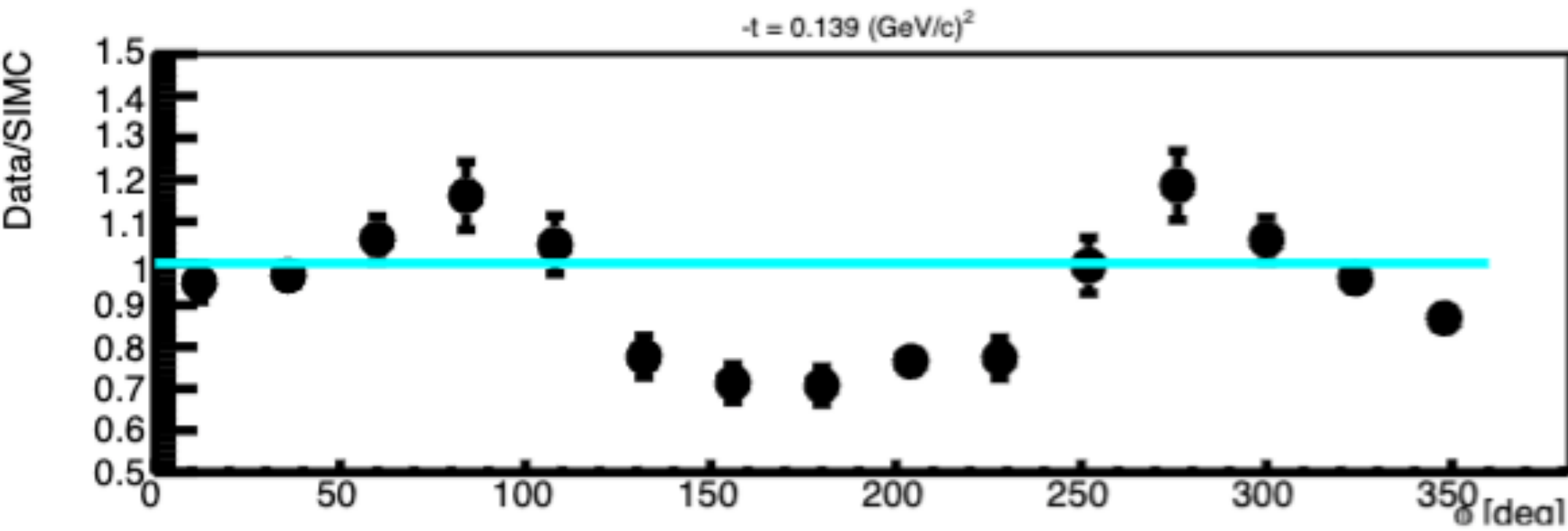


Iteration 04

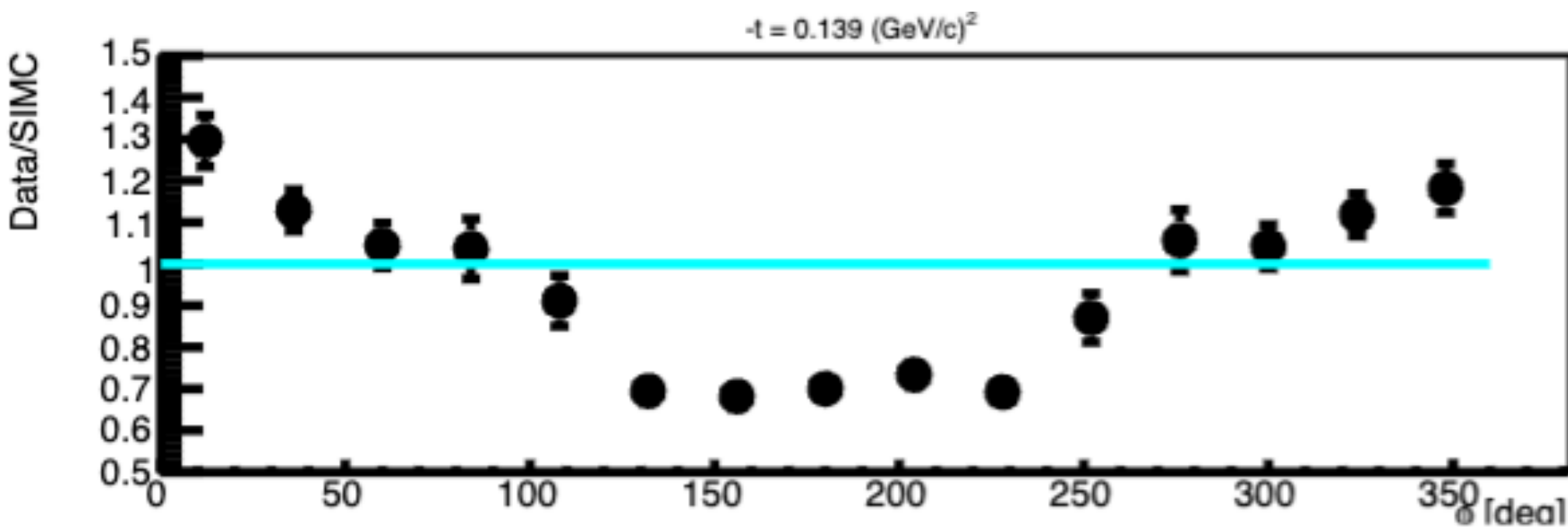




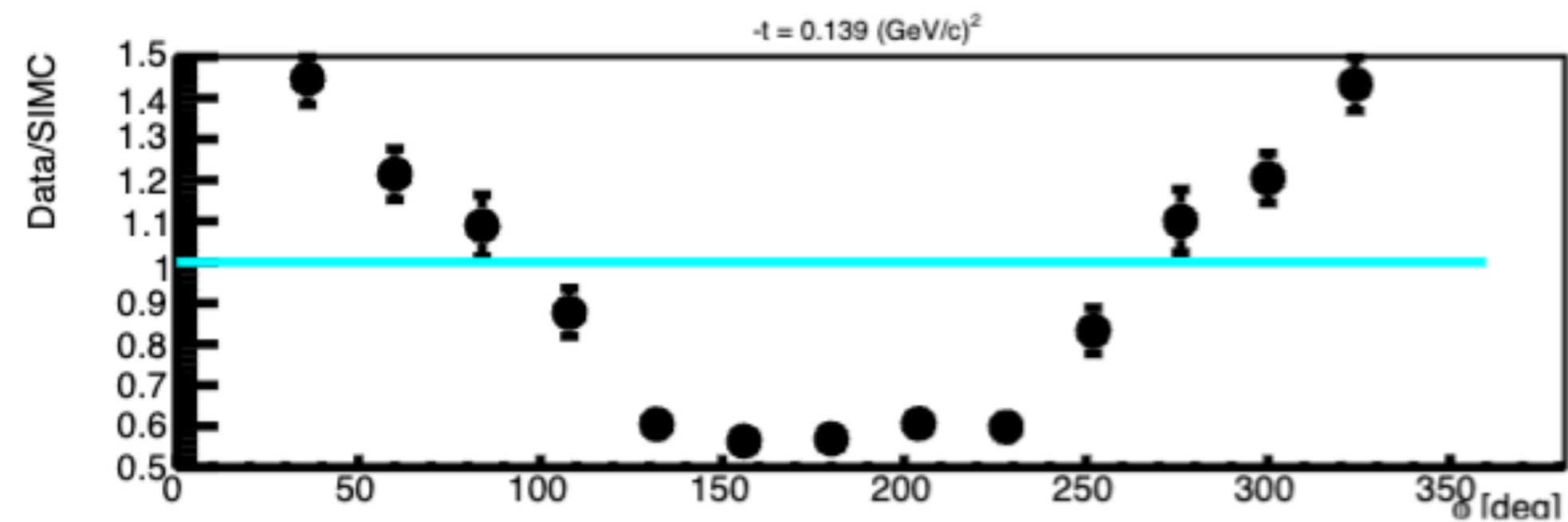
Iteration 01



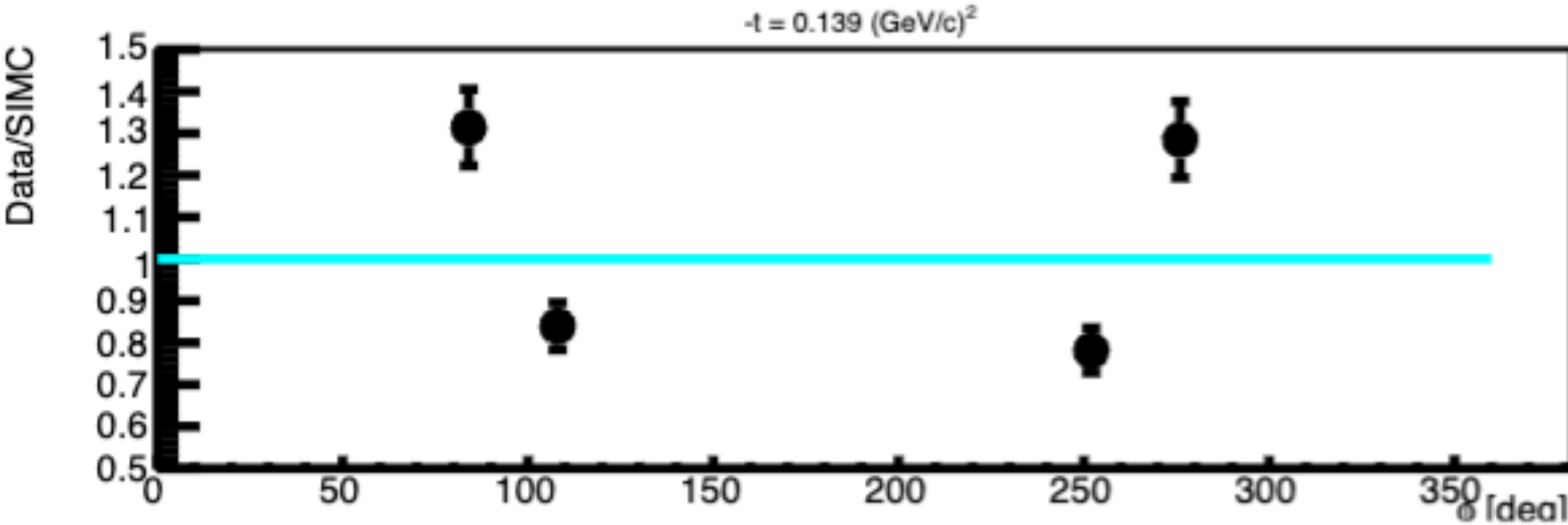
Iteration 02



Iteration 03



Iteration 04



center_highe
 $\Lambda^0(1116)$
 Beam Energy = 3.834
 $Q^2 = 0.501$
 $HMS_p = 0.968$
 $HMS_theta = 21.140$
 $SHMS_p = 2.583$
 $SHMS_theta = 6.790$
 Red = SIMC
 Blue = DATA

